

LEADING LIFE TECHNOLOGIES

GENERAL SAFETY DATA SHEET

ResiQuant® Ready-to-use Quantitative HEK293 DNA Kit (Taqman)

Document number	SDS-RQ-HEK293-TAQMAN-GEN-001
Version	1.0
Preparation date	August 21, 2026
Product type	Ready-to-use quantitative HEK293 DNA kit (Taqman)
Intended use	Research and manufacturing use only. Not intended for diagnostic or therapeutic use.
General status	Not classified as hazardous based on supplied reference information.

This general SDS is prepared using the supplied updated product safety reference. Confirm the exact formulation, lot information, applicable regulations, and emergency contact details before issuing as an official product SDS.

SECTION 1 - IDENTIFICATION

Product identifier	ResiQuant® Ready-to-use Quantitative HEK293 DNA Kit (Taqman)
Catalog numbers	CRH00-1081S, CRH00-1081, CRH00-1082
Recommended use	Quantitative detection of residual HEK293 host-cell DNA in biopharmaceutical samples using Taqman real-time PCR.
Supplier	Leading Life Technologies
Emergency contact	Use the organization's current emergency contact information and local emergency number.
Restrictions on use	For research and manufacturing use only; not for diagnostic or therapeutic use.

SECTION 2 - HAZARD(S) IDENTIFICATION

GHS classification	Non-hazardous substance/mixture based on supplied reference information.
Signal word	None
Hazard statements	No known physical, health, or environmental hazards under anticipated conditions of normal use.
Precautionary statements	Handle using good laboratory practice. Wear appropriate personal protective equipment. Avoid release to drains and waterways where possible.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

The product is a multi-component assay kit. Based on supplied reference information, it does not contain substances that pose a health hazard at the given concentration. Handle all reagents with appropriate laboratory caution.

SECTION 4 - FIRST-AID MEASURES

Inhalation	Not expected to be an inhalation hazard under normal use. Move to fresh air and seek medical advice if symptoms occur.
Skin contact	Rinse skin with water. Medical attention is not normally required.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Ingestion	Not expected to present a significant ingestion hazard under normal use. If unwell, seek medical advice.
Most important symptoms	No data available.
Immediate medical attention	Treat symptomatically; no specific antidote known.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media
Specific hazards
Protective equipment

Water spray, foam, carbon dioxide, or dry chemical powder.
 Decomposition products are not known.
 Wear self-contained breathing apparatus and protective firefighting equipment as conditions warrant.
 Prevent firefighting water from entering surface or groundwater systems.

Environmental precautions

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Ensure adequate ventilation and wear recommended personal protective equipment.
- Avoid release to the sewage system or waterways.
- Absorb spilled liquid with inert absorbent material and collect in a suitable container for disposal.
- Refer to Section 8 for personal protection and Section 13 for disposal considerations.

SECTION 7 - HANDLING AND STORAGE

Safe handling

Use personal protective equipment as required. Follow good industrial hygiene and laboratory safety practices.
 Store in a freezer. Recommended storage temperature: -40°C to -18°C.

Storage conditions

Incompatible conditions

No dangerous reaction known under normal conditions of use.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

No occupational exposure limits identified in supplied reference information.

Engineering controls

Provide adequate ventilation, particularly in enclosed areas.

Eye protection

Tight-sealing safety goggles or equivalent.

Skin / body protection

Appropriate protective clothing.

Hand protection

Compatible chemical-resistant gloves.

Respiratory protection

Not normally required with adequate ventilation; use suitable approved respiratory protection if ventilation is insufficient.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state

Liquid

Color / odor / pH

No data available

Melting / boiling point

No data available

Flash point / flammability

No data available

Density / solubility / viscosity

No data available

Explosive / oxidizing properties

No data available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical stability	Stable under normal conditions.
Hazardous reactions	No data available.
Conditions to avoid	No data available.
Incompatible materials	No dangerous reaction known under normal use.
Hazardous decomposition products	None known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Based on supplied reference information, available data are conclusive but insufficient for classification for acute toxicity, skin corrosion/irritation, serious eye damage/irritation, respiratory or skin sensitization, germ-cell mutagenicity, carcinogenicity, reproductive toxicity, specific target organ toxicity, and aspiration hazard.

The hazardous nature cannot be ruled out, but adverse effects should not occur under proper handling.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	No information available.
Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility in soil	No information available.
PBT / vPvB	Does not contain substances assessed as PBT or vPvB based on supplied reference information.
Other adverse effects	No information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Avoid or minimize waste generation where possible. Dispose of product, solutions, containers, and residues in accordance with applicable local, regional, national, and federal requirements. Empty containers may retain product residues.

SECTION 14 - TRANSPORT INFORMATION

ADR/RID	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods
UN number / class / packing group	Not applicable based on supplied reference information.
Environmental hazards	Not classified as a marine pollutant.
Special precautions	No data available.

SECTION 15 - REGULATORY INFORMATION

No specific international or China regulatory information was supplied for this product. Assess applicable workplace, waste, transportation, right-to-know, and environmental requirements before use or distribution.

SECTION 16 - OTHER INFORMATION

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SDS-RQ-HEK293-TAQMAN-GEN-001

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Revision summary

New general SDS prepared for ResiQuant® Ready-to-use Quantitative HEK293 DNA Kit (Taqman) using supplied updated safety documentation and LLT SDS format.

Abbreviations

ADR: European road transport; GHS: Globally Harmonized System; IATA: International Air Transport Association; IMDG: International Maritime Dangerous Goods; PBT: persistent, bioaccumulative and toxic; SDS: safety data sheet; vPvB: very persistent and very bioaccumulative.

DISCLAIMER

The information in this document is prepared as a general guide and is believed to be accurate based on the supplied reference material. It does not constitute a product specification, certificate of safety, regulatory determination, or warranty. Leading Life Technologies must verify the exact formulation, lot information, applicable processing, storage and transport conditions, regulatory status, and contact details before issuing this document as an official SDS. The user is responsible for safe handling and compliance with applicable requirements.