



Safety Data Sheet (SDS)

SECTION 1 – Identification

Product Name: Animal Free Recombinant Human Fms-like Tyrosine Kinase 3 Ligand (FLT3L)

Synonyms: FLT3L, Flt-3 Ligand, FMS-related tyrosine kinase 3 ligand

Catalog Number: HFLT3

Recommended Use: Research use only (RUO). Not for human or animal therapeutic, diagnostic, or clinical use.

Manufacturer Contact:

Pacific Coast Biologics, INC.

2360 Eastman Ave, Suite 101

Oxnard, CA 93030, USA

Email: support@pacificcoastbio.com

Emergency Contact: Local poison control center or emergency medical services.

SECTION 2 – Hazard Identification

Classification (GHS):

Not classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

Signal Word: None

Hazard Statements:

- May cause mild irritation to skin, eyes, or respiratory tract.
- Handle as potentially bioactive.

Precautionary Statements:

- Avoid inhalation, ingestion, and direct contact.
- Wear protective gloves, clothing, and safety glasses.
- Wash thoroughly after handling.



SECTION 3 – Composition/Information on Ingredients

Substance: Recombinant Human FLT3 Ligand (Animal Free)

CAS Number: Not assigned

EC Number: Not assigned

Formulation: Lyophilized protein containing trace amounts of sodium phosphate and sodium chloride.

Concentration: Supplied in microgram quantities per vial

SECTION 4 – First Aid Measures

General Advice: Provide SDS to medical professionals.

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms occur.
 - **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing.
 - **Eye Contact:** Rinse carefully with water for at least 15 minutes. Get medical help if irritation persists.
 - **Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical advice if unwell.
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SECTION 5 – Firefighting Measures

Suitable Extinguishing Media: Water spray, carbon dioxide, dry chemical, or foam.

Hazardous Combustion Products: Carbon oxides, nitrogen oxides.

Protective Equipment: Firefighters should wear SCBA and protective clothing.

SECTION 6 – Accidental Release Measures

- Avoid generating aerosols.
- Wear gloves, lab coat, and eye protection.
- Absorb spill with inert absorbent material.



- Clean area with water and appropriate disinfectant.
 - Dispose of material per local regulations.
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SECTION 7 – Handling and Storage

Handling:

- Use good laboratory practices.
- Avoid inhalation, ingestion, and direct contact.
- Work in biosafety cabinet if aerosol risk exists.

Storage:

- Store lyophilized product at $-20\text{ }^{\circ}\text{C}$ or below.
 - Store reconstituted aliquots at $-80\text{ }^{\circ}\text{C}$.
 - Avoid repeated freeze–thaw cycles.
 - Protect from light and moisture.
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SECTION 8 – Exposure Controls/Personal Protection

Exposure Limits: None established.

Engineering Controls: Work in a well-ventilated space. Use biosafety cabinet if needed.

PPE:

- Eye/Face: Safety glasses or goggles
 - Skin: Laboratory gloves and coat
 - Respiratory: Not required under normal use; use respirator if aerosol formation risk exists
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SECTION 9 – Physical and Chemical Properties

- **Appearance:** White to off-white lyophilized powder; clear solution when reconstituted



- **Odor:** Odorless
 - **Solubility:** Soluble in water and buffers
 - **pH:** Between pH 7.2 – 7.4 when reconstituted in purified water
 - **Stability:** Stable under recommended storage
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SECTION 10 – Stability and Reactivity

Chemical Stability: Stable when stored as recommended.

Conditions to Avoid: Heat, light, repeated freeze–thaw cycles.

Incompatible Materials: Strong oxidizers.

Hazardous Decomposition: Carbon oxides, nitrogen oxides under fire conditions.

SECTION 11 – Toxicological Information

- **Acute Toxicity:** No data available.
 - **Irritation:** May cause mild eye or skin irritation.
 - **Sensitization:** No data available.
 - **Carcinogenicity/Mutagenicity/Reproductive Effects:** No data available.
 - **Notes:** Treat as a potentially bioactive protein.
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SECTION 12 – Ecological Information

- No ecological data available.
 - Expected to be low environmental risk in small lab quantities.
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SECTION 13 – Disposal Considerations

- Dispose of waste and container in compliance with federal, state, and local regulations.
- Decontaminate with suitable disinfectant before disposal.



SECTION 14 – Transport Information

UN Number: Not regulated

Proper Shipping Name: Non-hazardous laboratory material

Hazard Class: Not applicable

Packing Group: Not applicable

Special Precautions: Product is stable at ambient temperatures

SECTION 15 – Regulatory Information

- OSHA HCS: Not classified as hazardous
 - TSCA: Not listed
 - SARA Title III: Not listed
 - California Proposition 65: Not listed
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SECTION 16 – Other Information

Prepared by: Pacific Coast Biologics, INC.

Date Prepared: 02/28/2026

Revision Number: 1.0

This SDS provides guidance for safe handling in research settings. It does not constitute a warranty of material properties. Users are responsible for compliance with applicable regulations.
