

# Recombinant Human FLT3 Ligand

Catalog Number: **HZ-1151**

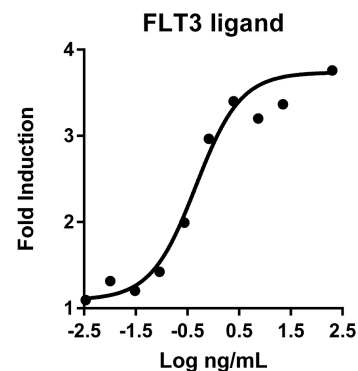
HEK293 expressed

Endotoxin-free

Animal-component free

## Technical Specifications

Species	human
Expression	HEK293
Activity	Typically $\leq 0.8$ ng/mL EC <sub>50</sub>
Purity	>95%
Endotoxin	<1 EU/ $\mu$ g
Molecular Mass	24 to 30 kDa, monomer, glycosylated
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	2323



The activity was determined by the dose-dependent stimulation of the proliferation of the human acute myeloid leukemia cell line OCI-AML5 using Promega CellTiter96<sup>®</sup> Aqueous Non-Radioactive Cell Proliferation Assay.

## Reconstitution Buffer

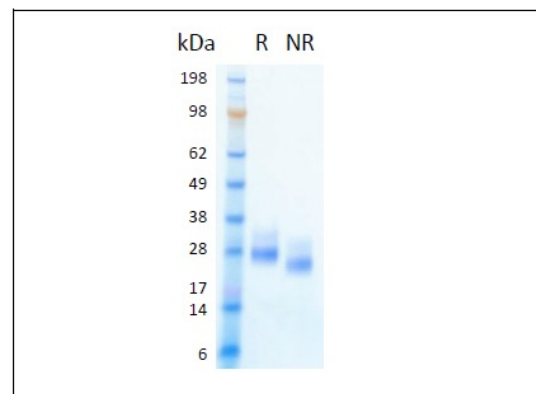
Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile water containing 0.1% endotoxin-free recombinant human serum albumin (HSA)

## Stability and Storage

Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

## Product Description

Animal-free Recombinant Human FLT3 Ligand is expressed from human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 24 to 30 kDa. This cytokine is produced in a serum-free, chemically defined media. The molecular mass is a narrower range than reported when this cytokine is expressed in insect Sf21 cells (17 to 30 kDa), emphasizing the difference in glycosylation in different expression systems. FLT3 Ligand is a growth factor that regulates proliferation of early hematopoietic cells. FLT3 Ligand binds to cells expressing the tyrosine kinase receptor FLT3. FLT3 Ligand by itself does not stimulate proliferation of early hematopoietic cells, but synergizes with other CSFs and interleukins to induce growth and differentiation.



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

## Synonyms

FL, Flt3 ligand, Flt3L, FLT3LG, SL cytokine

For technical support and original validation data for this product please contact:

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