

Recombinant Human Flt3 ligand/Flt3L Protein

Catalog No.: RP02360 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2323	P49771

Tags

C-hFc

Synonyms

FL;FLT3L;FLT3LG;FLT3LG

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE

Calculated MW	Observed MW
44.00 kDa	50-65 kDa

Endotoxin

< 0.01 EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Basic Information

Description

Recombinant Human FLT3 ligand Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Thr27-Pro185) of Human FLT3 ligand fused with a hFc at the C-terminal.

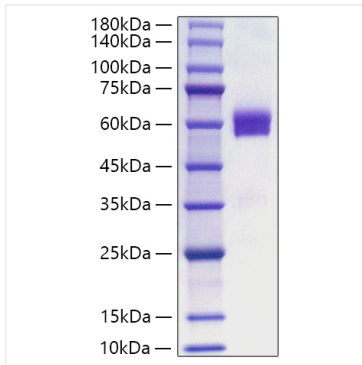
Bio-Activity

Measured in a cell proliferation assay using Human OCI-AML5 cells. The ED₅₀ for this effect is 1.56-6.24 ng/mL, corresponding to a specific activity of 1.60×10⁵~6.41×10⁵ units/mg.

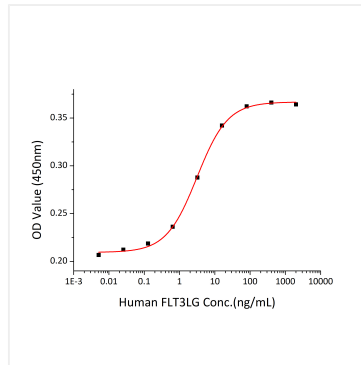
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Flt3 ligand/Flt3L Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-75 kDa.



Recombinant Human Flt3 ligand/Flt3L stimulates cell proliferation assay using Human OCI-AML5 cells. The ED_{50} for this effect is 1.56-6.24 ng/mL, corresponding to a specific activity of $1.60 \times 10^5 \sim 6.41 \times 10^5$ units/mg.