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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 % as determined by Tris-Bis PAGE.

Calculated MW	Observed MW
44.00 kDa	50-65 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method

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 stablizer (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 ED_{50} for this effect is 1.56-6.24 ng/mL, corresponding to a specific activity of 1.60×10^5~6.41×10^5 units/mg.

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

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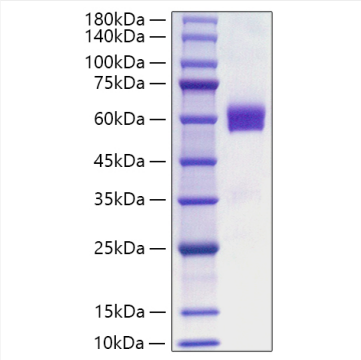
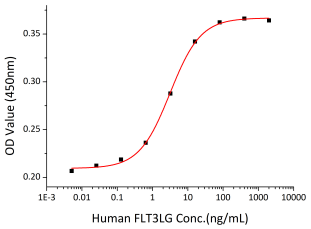
Validation Data



Recombinant Human Flt3 ligand/Flt3L Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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 1.60×10^{5}~6.41×10^{5} units/mg.