

Flt3 Ligand Active Protein | FLT3LG active protein

Flt3 Ligand Protein, Human, Recombinant (His Tag)

CATALOG #
AAA257867

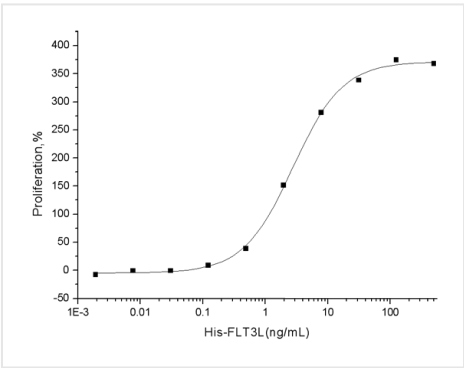
HOST
Baculovirus-Insect Cells

PRODUCT SYNONYMS

Flt3 Ligand; Flt3 Ligand Protein; Human; Recombinant (His Tag); Human FLT3L/Flt3 ligand/FLT3LG Protein (His Tag); FL Protein; FLT3L Protein; FLT3LG Protein; fms related tyrosine kinase 3 ligand; FLT3LG active protein

PRODUCT SPECIFICATIONS

Host	Baculovirus-Insect Cells
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile 20mM Tris, 300mM NaCl, 10% glycerol, pH 7.5. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Thr27-Pro185
Species	Human
Activity	Measured in a cell proliferation assay using BaF3 mouse pro-B cells transfected with mouse Flt-3. The ED50 for this effect is typically 2-11ng/mL.
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	His
Tag	N-His
Protein Construction	A DNA sequence encoding the human FLT3LG (P49771-1)(Thr27-Pro185) was expressed, with a polyhistidine tag at the N-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.



SDS-PAGE

Application Data
Measured in a cell proliferation assay using BaF3 mouse pro-B cells transfected with mouse Flt-3. The ED50 for this effect is typically 2-11 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for FLT3LG active protein	Background: FLT3L, also known as flt3 ligand, is a small molecule that acts as a growth factor that increases the number of immune cells by activating the hematopoietic progenitors. In vivo, FLT3L also induces the mobilization of the hematopoietic progenitors and stem cells. This may help the system to kill cancer cells. Dendritic cells (DCs) provide the key link between innate and adaptive immunity by recognizing pathogens and priming pathogen-specific immune responses. FLT3L controls the development of DCs and is particularly important for plasmacytoid DCs and CD8 -positive classical DCs and their CD103 -positive tissue counterparts.
References	Hannum C, et al. (1994) Ligand for FLT3/FLK2 receptor tyrosine kinase regulates growth of haematopoietic stem cells and is encoded by variant RNAs. Nature 368 (6472): 643-8.Lyman SD, et al. (1995) Identification of soluble and membrane-bound isoforms of the murine flt3 ligand generated by alternative splicing of mRNAs. Oncogene 10 (1): 149-57.Lyman SD, et al. (1994) Molecular cloning of a ligand for the flt3/flk-2 tyrosine kinase receptor: a proliferative factor for primitive hematopoietic cells. Cell 75 (6): 1157-67.

NCBI AND UNIPROT INFORMATION

NCBI GI #	325197197
NCBI GeneID	2323
NCBI Accession #	NP_001191431.1
NCBI GenBank Nucleotide #	NM_001204502.1
UniProt Accession #	P49771; A0AVC2; B9EGH2
Molecular Weight	26,416 Da
NCBI Official Full Name	fms-related tyrosine kinase 3 ligand
NCBI Official Synonym Full Names	fms-related tyrosine kinase 3 ligand
NCBI Official Symbol	FLT3LG
NCBI Official Synonym Symbols	FL; FLT3L
NCBI Protein Information	fms-related tyrosine kinase 3 ligand; flt3 ligand
UniProt Protein Name	Fms-related tyrosine kinase 3 ligand
UniProt Gene Name	FLT3LG
UniProt Synonym Gene Names	Flt3 ligand; Flt3L
UniProt Entry Name	FLT3L_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/baculovirus-flt3lg-active-protein/flt3-ligand/257867>