

Flt3 Ligand Active Protein | FLT3LG active protein

Flt3 Ligand Protein, Mouse, Recombinant (hFc Tag)

CATALOG #
AAA258233

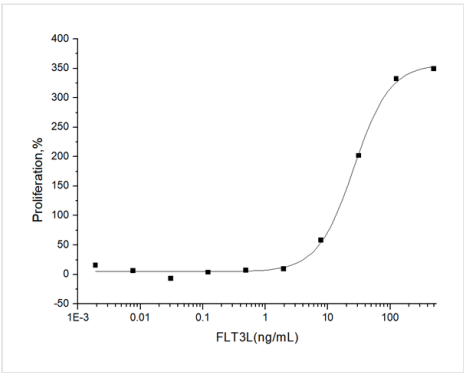
HOST
HEK293 Cells

PRODUCT SYNONYMS

Flt3 Ligand; Flt3 Ligand Protein; Mouse; Recombinant (hFc Tag); Mouse FLT3L/Flt3 ligand Protein (Fc Tag); FLT3L Protein; Flt3lg Protein; Ly72L Protein; fms related tyrosine kinase 3 ligand; FLT3LG active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>90% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. 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	Met1-Arg18 8
Species	Mouse
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 7-30ng/mL.
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Gly 27
Tag	C-human IgG1-Fc
Protein Construction	A DNA sequence encoding the mouse FLT3L (P49772-1)(Met1-Arg188) was expressed, fused with the Fc region of human IgG1 at the C-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 7-30 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 #	227430331
NCBI GeneID	14256
NCBI Accession #	NP_038548.3
NCBI GenBank Nucleotide #	NM_013520.3
UniProt Accession #	P49772; Q64085
Molecular Weight	28,259 Da
NCBI Official Full Name	fms-related tyrosine kinase 3 ligand
NCBI Official Synonym Full Names	FMS-like tyrosine kinase 3 ligand
NCBI Official Symbol	Flt3l
NCBI Official Synonym Symbols	Ly72L; Flt3lg
NCBI Protein Information	fms-related tyrosine kinase 3 ligand
UniProt Protein Name	Fms-related tyrosine kinase 3 ligand
UniProt Gene Name	Flt3lg
UniProt Synonym Gene Names	Flt3l; Flt3 ligand; Flt3L
UniProt Entry Name	FLT3L_MOUSE

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/hek293-flt3lg-active-protein/flt3-ligand/258233>