

Flt3 ligand/FLT3LG Active Protein | FLT3LG active protein

Recombinant human Flt3 ligand/FLT3LG protein

CATALOG # AAA49008	HOST Baculovirus	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

Flt3 ligand/FLT3LG; Recombinant human Flt3 ligand/FLT3LG protein; Fms-related tyrosine kinase 3 ligand isoform 1; Fms-related tyrosine kinase 3 ligand; FLT3LG; FL; FLG3L; FLT3L; IMD125; Flt3 ligand; SL cytokine; FLT3LG active protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in. Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	0.5mg/ml (determined by absorbance at 280nm) (varies by lot)
Sequence Positions	27-184aa
Sequence	Thr27 T QDCSFQHSP I SSDFAVKIRE LSDYLLQDYP VTVASNLQDE ELCGGLWRLV LAQRWMERLK TVAGSKMQGL LERVNTEIHF VTKCAFQPPP SCLRFVQTNI SRLLETSEQ LVALKPWITR QNFSRCLELQ CQPDSSSTLPP PWSPRPLEAT APTAPQP
Applicable Applications for FLT3LG active protein	Bioactivity, SDS-PAGE
Species	Human
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Tag	His-Tag
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

ADDITIONAL INFORMATION

Related Product Information for FLT3LG active protein	FLT3LG, also known as fms-related tyrosine kinase 3 ligand, is an alpha-cytokine that promotes the differentiation of multiple hematopoietic cell lineages. This protein acts as a growth factor that increases the number of immune cells by activating the hematopoietic progenitors. It is crucial for steady-state pDC and cDC development. It controls the development of DCs and is particularly important for plasmacytoid DCs and CD8-positive classical DCs and their CD103-positive tissue counterparts. Additionally, FLT3LG synergizes with IL-3, GM-CSF, and SCF to promote the mobilization and myeloid differentiation of hematopoietic stem cells. It cooperates with IL-2, IL-6, IL-7, and IL-15 to induce NK cell development and with IL-3, IL-7, and IL-11 to induce terminal B cell maturation. Animal studies show that it reduces the severity of experimentally induced allergic inflammation. Recombinant human FLT3LG, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for FLT3LG active protein	Angiogenesis ; Proteins
References	Klein O., et al. (2013) Eur. J. Immunol. 43(2):533-539. Nakamori Y., et al. (2012) Br. J. Haematol. 157(6):674-686.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38455416
NCBI GeneID	2323
NCBI Accession #	NP_001450
NCBI GenBank Nucleotide #	NM_001459.3
UniProt Accession #	P49771; Q05C96; A0AVC2; B9EGH2
Molecular Weight	19.0kDa (166aa) 18-28KDa (SDS-PAGE under reducing conditions.)
NCBI Official Full Name	fms-related tyrosine kinase 3 ligand isoform 1
NCBI Official Synonym Full Names	fms related tyrosine kinase 3 ligand
NCBI Official Symbol	FLT3LG
NCBI Official Synonym Symbols	FL; FLG3L; FLT3L
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	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://stage.aaabiotech.com/baculovirus-active-protein/flt3-ligand-flt3lg/49008>