

Flt3-Ligand Active Protein | FLT3LG active protein

Recombinant Human Flt3-Ligand, HEK

CATALOG # AAA38706	HOST HEK293 (Human Embryonic Kidney cell line)
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PRODUCT SYNONYMS

Flt3-Ligand; Recombinant Human Flt3-Ligand; HEK; Flt3 Ligand Human; Flt3-Ligand Human Recombinant; HEK derived; Fms-related tyrosine kinase 3 ligand; FLK2; STK1; CD135; Stem Cell Tyrosine Kinase 1; FLT3LG; Flt3; Flt3 Ligand HEK; FLT3LG active protein

PRODUCT SPECIFICATIONS

Host	HEK293 (Human Embryonic Kidney cell line)
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The protein was lyophilized with no additives. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	TQDCSFQHSP ISSDFAVKIR ELSDYLLQDY PVTVASNLQD EELCGGLWRL VLAQRWMERL KTVAGSKMQG LLERVNTEIH FVTKCAFQPP PSCLRFVQTN ISRLQETSE QLVALKPWIT RQNFSRCLEL QCQPDSSSTLP PPWSPRPLEA TAPTAPQP
Sequence Length	235
Solubility	It is recommended to reconstitute the lyophilized Flt3-Ligand in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the dose dependent proliferation of human OCI-AML5 cells is 0.5 to 1.0 ng/ml (Specific Activity: 2.0 x 1,000,000 1.0 x 1,000,000 units/mg).
Preparation and Storage	Lyophilized Flt3-Ligand although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution Flt3-Ligand should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for FLT3LG active protein	Description: Flt3-Ligand Human Recombinant produced in HEK293 cells is a glycosylated, polypeptide chain, migrates as a diffuse band on SDS-PAGE due to heterogeneous glycosylation at 30kDa. Flt3-Ligand is purified by proprietary chromatographic techniques. Introduction: FLT3 ligand is a receptor for the fl cytokine has a tyrosine-protein kinase activity & a growth factor that regulates proliferation of early hematopoietic cells. Flt3-Ligand synergizes with other CSFs and interleukins to induce growth and differentiation.
Product Categories/Family for FLT3LG active protein	Cytokines and Growth Factors; Cytokines; Flt3 Ligand

NCBI AND UNIPROT INFORMATION

NCBI GI #	325197197
NCBI GeneID	2323
NCBI Accession #	NP_001191431.1
NCBI GenBank Nucleotide #	NM_001204502.1

UniProt Accession #	P49771 ; Q05C96 ; A0AVC2 ; B9EGH2
Molecular Weight	17,290 Da
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; 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://stage.aaabiotech.com/active-protein/flt3-ligand/38706>