

## Flt3-Ligand Active Protein | FLT3LG active protein

Recombinant Human Flt3-Ligand

|                              |                       |
|------------------------------|-----------------------|
| CATALOG #<br><b>AAA38161</b> | HOST<br><b>E Coli</b> |
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### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                        |
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| Host                    | E Coli                                                                                                                                                                                                                                                                                                                                                                 |
| 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.<br>Sterile Filtered White lyophilized (freeze-dried) powder.                                                                                                                                                                                                                                                            |
| Sequence                | TQDCSFQHSP ISSDFAVKIR ELSDYLLQDY PVTVASNLQD EELCGGLWRL VLAQRWMERL KTVAGSKMQG<br>LLERVNTEIH FVTKCAFQPP PSCLRFVQTN ISRLQETSE QLVALKPWIT RQNFSRCLEL QCQPDSSSTLP<br>PPWSPRPLEA TAPTA                                                                                                                                                                                       |
| Sequence Length         | 235                                                                                                                                                                                                                                                                                                                                                                    |
| Solubility              | It is recommended to reconstitute the lyophilized Flt3-L 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 range=0.5-1.0 ng/ml corresponding to a specific activity of 1,000,000-2,000,000 Units/mg, calculated by the dose-dependant stimulation of the proliferation of human OCMI-AML5 cells.                                                                                                                                                                         |
| 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

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| Related Product Information for FLT3LG active protein | <p><b>Description:</b> Flt3-Ligand Human Recombinant produced in E Coli is non-glycosylated, polypeptide chain containing 155 amino acids and having a molecular mass of 17605 Dalton. Flt3-Ligand is purified by proprietary chromatographic techniques.</p> <p><b>Introduction:</b> FLT3 ligand is a receptor for the fl cytokine has a tyrosine-protein kinase activity &amp; a growth factor that regulates proliferation of early hematopoietic cells. Flt3-Ligand synergizes with other CSFs and interleukins to induce growth and differentiation.</p> |
| 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 #              | <a href="#">P49771</a> ; <a href="#">Q05C96</a> ; <a href="#">A0AVC2</a> ; <a href="#">B9EGH2</a> |
| 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                | <b>FLT3LG</b>                                                                                     |
| 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/e-coli-active-protein/flt3-ligand/38161>