

Overview

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| Synonyms | Fms-related tyrosine kinase 3 ligand, SL cytokine |
| Description | Flt3L , also known as Fms-related tyrosine kinase 3 ligand and SL cytokine, is a single-pass type I membrane protein. It is expressed by stromal cells and T cells. Flt3L signals through tyrosine kinase receptor Flt3/Flk2 to stimulate the proliferation of early hematopoietic progenitor cells. It synergizes with other growth factors, such as GM-CSF, IL-3 and CSF, to promote the differentiation of both myeloid and lymphoid cells. Alternative splicing and proteolytic cleavage of membrane-bound Flt3L generates a soluble extracellular domain (ECD) isoform with full biological activity. |
| Accession No | P49772 |
| Species | Mouse |
| Source | CHO |
| Biological Activity | ED ₅₀ < 10 ng /ml, measured in a cell proliferation assay using AML5 cells. |
| Sequence | GTPDCYFSHS P I S S N F K V K F R E L T D H L L K D Y P V T V A V N L Q D E K H C K A L W S L F L A Q R W I E Q L K T V A G S K M Q T L L E D V N T E I H F V T S C T F Q P L P E C L R F V Q T N I S H L L K D T C T Q L L A L K P C I G K A C Q N F S R C L E V Q C Q P D S S T L L P P R S P I A L E A T E L P E P R P R H H H H H H |

Properties

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| Measured Molecular Weight | 24-30 kDa, observed by reducing SDS-PAGE. |
| Purity | > 95% as analyzed by SDS-PAGE. |
| Formulation | Lyophilized after extensive dialysis against PBS. |
| Reconstitution | Reconstituted in ddH ₂ O or PBS at 100 µg/ml. |
| Endotoxin Level | < 0.2 EU/µg, determined by LAL method. |
| Storage | Lyophilized recombinant murine Flt3L, His remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, murine Flt3L, His should be stable up to 1 week at 4°C or up to 2 months at -20°C. |
| Note | For research use only |

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