

DATASHEET
Version 20181206**Flt-3L, His, Mouse****Cat. No.:** Z03227-10**Size:** 10.0 ug**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/Fik2 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.

Amino Acid Sequence:

00001 GTPDCYFSHS PISSNFKVKF RELTDHLLKD YPVTVAVNQ
00041 DEKHCKALWS LFLAQRWIEQ LKTVAGSKMQ TLLEDVNTEI
00081 HFVTSCTFQP LPECLRFVQT NISHLKDT C TQLLALKPCI
00121 GKACQNF SRC LEVQCQPDSS TLLPPRSPIA LEATELPEPR
00161 PRHHHHHH

Source: CHO**Species:** Mouse**Biological Activity:** ED₅₀ < 10 ng /ml, measured in a cell proliferation assay using AML5 cells.**Molecular Weight:** 24-30 kDa, observed by reducing SDS-PAGE.**Formulation:** Lyophilized after extensive dialysis against PBS.**Reconstitution:** Reconstituted in ddH₂O or PBS at 100 µg/ml.**Purity:** > 95% as analyzed by SDS-PAGE.**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.