

Product Datasheet

RecombinantFlt-3L,His,Mouse (orb1494746)

Catalog Number	orb1494746
Category	Proteins
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.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Buffer/Preservatives	Lyophilized after extensive dialysis against PBS.
Purity	> 95% as analyzed by SDS-PAGE.
Purification	> 95% as analyzed by SDS-PAGE.
Protein Sequence	GTPDCYFSHSPISSNFKVKFRELTDHLLKDYPVTVAVNLQDEKHCKALWSLFLAQRWIEQLK TVAGSKMQTLLEDVNTEI HFVTSCTFQPLPECLRFVQTNISHLLKDTCTQLLALKPCIGKACQNF SRCLEVQCQPDSSTLL PPRSPIALEATELPEPR PRHHHHHH
MW	24-30 kDa, observed by reducing SDS-PAGE.
Application notes	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxins	0.2 EU/µg, determined by LAL method.
Source	CHO
Biological Activity	ED50 10 ng /ml, measured in a cell proliferation assay using AML5 cells.

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Storage	Lyophilized recombinant murine Flt3L, His remains stable up to 6 months at -80°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
Expiration Date	6 months from date of receipt.

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