

Recombinant Murine flt3-Ligand

CATALOG #:	4086-10	10 µg
	4086-10	50 µg
	4086-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is < 0.01 ng/µg (0.1EU/µg) of flt3-Ligand	
MOL. WEIGHT:	16.4 kDa	
FORM:	Sterile filtered and lyophilized with no additives.	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1 – 1.0 mg/ml. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or –20°C for future use.

STORAGE CONDITIONS:

The lyophilized flt3-ligand should be stored desiccated below 0°C. Reconstituted flt3-ligand should be stored in working aliquots at -20°C.

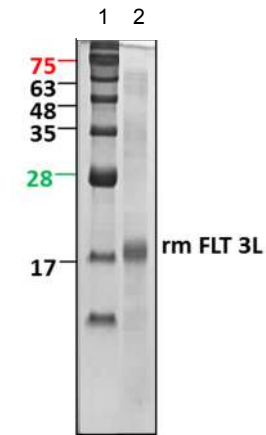
DESCRIPTION:

Flt3-Ligand belongs to a small group of growth factors that regulate proliferation of early hematopoietic cells. Multiple isoforms of Flt3-Ligand have been identified. The predominant form is the transmembrane which is biologically active on the cell surface. The proteolytically cleaved transmembrane isoform generates a soluble form, which is also biologically active. Flt3-Ligand binds to cells expressing the tyrosine kinase receptor Flt3. Flt3-Ligand alone cannot stimulate proliferation, but synergizes well with other CSFs and interleukins to induce growth and differentiation. Recombinant murine flt3-Ligand is a 16.4 kDa protein containing 144 amino acid residues.

BIOLOGICAL ACTIVITY:

Determined by the dose-dependent proliferation of mouse AML5 cells and is typically 5-8 ng/ml.

FOR RESEARCH USE ONLY! Not to be used in human subjects.



Lane 1: Marker
Lane 2: ~10 µg rm FLT3L

RELATED PRODUCTS:

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- PLTP Activity Assay & Drug Discovery Kits
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- Mitochondrial & Genomic DNA Isolation Kits
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