

Recombinant Human flt3-Ligand

CATALOG #:	4085-10	10 µg
	4085-50	50 µg
	4085-1000	1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng/µg (1EU/µg) of flt3-Ligand

MOL. WEIGHT: 17.6 kDa

FORM:

Sterile filtered and lyophilized with no additives. The protein may appear as a haze of film, which is difficult to see at the bottom of the vial.

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 is best-stored desiccated below 0°C. Reconstituted flt3-ligand should be stored in working aliquots at -20°. For long term storage it is recommended to add a carrier protein (0.1% HAS or BSA). Prevent freeze-thaw cycles.

DESCRIPTION:

Human flt3-Ligand (flk2-ligand) stimulates the proliferation and colony formation of certain bone marrow precursor cells including CD34+ cells. Recombinant human flt3-ligand is a soluble 17.6 kDa polypeptide containing 155 amino acid residues, which comprises the extracellular domain of the transmembrane flt3-ligand protein.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of human AML5 cells is <1.0 ng/ml, corresponding to a specific activity of $\geq 1 \times 10^6$ units/mg.

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- Apoptosis siRNA Vectors

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- Mammalian Cell Extraction Kit
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