

## 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 ED<sub>50</sub> 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.

**FOR RESEARCH USE ONLY! Not to be used in humans.**

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