

## 32-20123: Recombinant Murine Flt3-Ligand(Discontinued)

**Reactivity :** Human, Mouse, Rat

**Alternative Name :** Fms-related tyrosine kinase 3 ligand, FltL

### Description

**Source:** **E.coli** Flt3-Ligand is a growth factor that regulates proliferation of early hematopoietic cells. Flt3-Ligand binds to cells expressing the tyrosine kinase receptor Flt3. Flt3-Ligand, by itself does not stimulate proliferation of early hematopoietic cells, but synergizes with other CSFs and interleukins to induce growth and differentiation. Unlike SCF, Flt3-Ligand has no activity on mast cells. Multiple isoforms of Flt3-Ligand have been identified. The predominant biologically active form is anchored to the cell surface as the extracellular domain of a transmembrane protein (209 a.a.). The membrane-bound isoform can be proteolytically cleaved to generate a biologically active soluble isoform. Recombinant Murine Flt3-Ligand is a soluble 18.6 kDa protein consisting of 163 amino acid residues.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MTPDCYFSHS PISSNFKVKF RELTDHLLKD YPVTVAVNLQ DEKHCKALWS LFLAQRWIEQ LKTVAGSKMQ  
TLLEDVNTEI HFVTSCTFQP LPECLRFVQT NISHLLKDTC TQLLALKPCI GKACQNF SRC LEVQCQPDSS  
TLLPPRSPIA LEATELPEPR PRQ

### Application Note

Determined by the dose-dependent stimulation of the proliferation of human AML5 cells. The expected  $ED_{50}$  for this effect is 5.0 - 8.0 ng/ml.