

## 32-12073: Human Flt-3 Ligand (AF)

**Gene :** FLT3LG  
**Gene ID :** 2323  
**Uniprot ID :** P49771  
**Alternative Name :** SL cytokine, Flt3L, Fms-related tyrosine kinase 3 ligand

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 17.6 kDa (155 aa)

Fms-related tyrosine kinase 3 ligand (FLT-3 ligand) is a growth factor that regulates hematopoietic cell proliferation. FLT-3 ligand signalling is transmitted through the fms-related tyrosine kinase 3 (FLT-3) receptor. FLT-3 ligand promotes the long-term expansion and differentiation of pro-B cells in the presence of interleukin 7 (IL-7) or in combination of IL-7 and interleukin 3 (IL-3). Human FLT-3 ligand is active on mouse cells.

### Product Info

**Amount :** 10 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq 95\%$   
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)  
Sterile water at 0.1 mg/mL  
**Storage condition :** Store at  $-20^{\circ}\text{C}$   
**Amino Acid :** MTQDCSFQHS PISDFAVKI RELSDYLLQD YPVTVASNLQ DEELCGGLWR LVLAQRWMMER  
LKTVAGSKMQ GLLERVNTEI HFVTKCAFQP PPSCLRFVQT NISRLQETS EQLVALKPWI TRQNFSCRLE  
LQCQPDSSTL PPPWSPRPLE ATAPT

### Application Note

**Endotoxin:** Less than  $0.1 \text{ ng}/\mu\text{g}$  (1 IEU/ $\mu\text{g}$ ) as determined by LAL test.

Biological Activity was determined by OCI-AML5 cell proliferation at  $\leq 10 \text{ ng/mL}$ ;  $\geq 1.0 \times 10^5 \text{ units/mg}$  (typical ED50 is 1-3 ng/mL). Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at  $-80^{\circ}\text{C}$  and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



