

**Product:** Flt3-Ligand, Human Recombinant  
**Catalog #:** 11-FLT3-H  
**Amount:** 5 µg

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**DESCRIPTION:** Recombinant Human Flt3-Ligand produced in E.Coli is non-glycosylated, Polypeptide chain containing 155 amino acids and having a molecular mass of 17605 Dalton.  
rHuFlt3-Ligand is purified by proprietary chromatographic techniques. The sequence of the first five N-terminal amino acids was determined and was found to be Thr-Gln-Asp-Cys-Ser.

**SOURCE:** *Escherichia Coli.*

**PURITY:** Greater than 98.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC.  
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

**ENDOTOXIN:** Less than 0.1 ng/µg (IEU/µg) of rHuFlt3-Ligand.

**DIMERS & AGREGATES:** Less than 1% as determined by silver-stained SDS-PAGE gel analysis

**FORM:** Purified.

**PROTEIN CONTENT:** Protein quantitation was carried out by two independent methods:  
1. UV spectroscopy at 280 nm.  
2. Analysis by RP-HPLC, using a standard of rHuFlt3-Ligand as a Reference Standard.

**CONCENTRATION:** 0.1 mg/ml

**BIOLOGICAL ACTIVITY:** rHuFlt3-Ligand is fully biologically active when compared to standard. The ED50, calculated by the dose-dependant stimulation of the proliferation of human AML5 cells is < 1.0 ng/ml, corresponding to a specific activity of > 1 x 10<sup>6</sup> units/mg.

**STORAGE:** -20°C (aliquot), avoid repeated freeze and thaw cycles

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489 Common Street, Belmont, MA 02478, USA; Email: info@arp1.com or staff@arp1.com  
Phone: 800-832-2611 or 617-489-1120 Fax: 888-832-2613 or 617-489-5120