

Recombinant Human Flt3-Ligand



Key features and details

Abbreviation rHuFlt3-Ligand

Synonyms Flt3L, SL Cytokine

Source Expressed in E. coli.

Molecular Weight Approximately 17.6 kDa, a ...

Accession #P49771 Thr27-Ala181

Purity >96% by SDS-PAGE or HPLC.

Endotoxin < 0.1 EU/μg of rHuFlt3-ligand pr...

Brand: AREX
Biosciences

CAT.NO. : ARP6637

RMB: 21800.00

Size:

1mg

Trail, Bulk size or
Custom requests
Please contact us*产品价格可能会有所调整, 请以品牌方官网实
时更新的价格为准, 以确保准确性。

Product Details

Description

Flt3-ligand (FL) is a recently identified hematopoietic cytokine whose activities are mediated by binding to the transmembrane glycoprotein Flt3. Flt3 was first discovered as a member of the class III subfamily of receptor tyrosine kinases (RTK) whose expression among hematopoietic cells was found to be restricted to highly enriched stem/progenitor cell populations. Additionally, class III RTKs include the receptors from SCF, M-CSF and PDGF. 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 exerts 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 (209a.a.). The membrane-bound isoform can be proteolytically cleaved to generate a biologically active soluble isoform. Recombinant Human Flt3-Ligand is a soluble 17.6kDa protein consisting of 155 amino acid residues.

Overview

Product Name	Recombinant Human Flt3-Ligand (rHuFlt3-Ligand)
Synonyms	Flt3L, SL Cytokine
Source	Expressed in E. coli.
Molecular weight	Approximately 17.6kDa, a single non - glycosylated polypeptide chain conta 155 amino acids.
Accession	P49771 Thr27 - Ala181
AA Sequence	TQDCSFQHSPISDFAVKIRELSDYLLQDYPVTVASNLQDEELCGGLWRLVLAQRWMERLK TVAGSKMQGLLERVNTIEHFVTKCAFQPPPSCLRFVQTNISRLLQETSEQLVALKPWITRQN FSRCLQLQCQPDDSSSTLPPWSPRPLEATAPTA
Purity	>96% by SDS - PAGE or HPLC.
Biological activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by a cell proliferation assay using human AML5 cells is less than 1.0ng/ml,

	corresponding to a specific activity of $>1.0 \times 10^6$ IU/mg.
Formulation	Lyophilized from a 0.2 μ m filtered concentrated solution in 20mM PB, 150mM NaCl, pH7.4
Endotoxin level	<0.1EU/ μ g rHuFlt3 - ligand protein as determined by LAL method.
Reconstitution	<p>Before use this product, please read the direction below carefully.</p> <p>This vial must be briefly centrifuged prior to opening to bring the contents to the bottom.</p> <p>Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/ml.</p> <p>Stock solutions should be apportioned into working aliquots and stored at $\leq -20^\circ\text{C}$. Further dilutions should be made in appropriate buffered solutions.</p>
Storage/ Stability	<p>For long term storage, the product should be stored $\leq -20^\circ\text{C}$.</p> <p>36 months, -20 to -70°C as supplied.</p> <p>1 month, 2 to 8°C under sterile conditions after reconstitution;</p> <p>3 months, -20 to -70°C under sterile conditions after reconstitution.</p> <p>Please avoid repeated freeze-thaw cycles.</p>
Research Use Only	For Research Use Only. Not for use in diagnostic procedures.