

FLT3 Ligand Protein, Human, Recombinant (HEK293, His)

General Information

Synonyms:	fms related tyrosine kinase 3 ligand;FLT3LG;FL;FLT3L
Protein Construction:	Thr27-Pro185
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P49771-1
Molecular Weight:	19.1 kDa (Predicted); 28-35 kDa (Due to glycosylation)

QC Testing

Biological Activity:	Immobilized Human FLT3 Ligand, His Tag at 1 µg/ml (100 µl/Well) on the plate. Dose response curve for Human FLT3, hFc Tag with the EC50 of 13.4 ng/ml determined by ELISA (QC Test). The ED50 was determined by the dose-dependent stimulation of the proliferation of human AML5 cells is ≤ 1.0 ng/ml.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Flt-3 Ligand, also known as FL, is an alpha -helical cytokine that promotes the differentiation of multiple hematopoietic cell lineages. Stimulates the proliferation of early hematopoietic cells by activating FLT3. Synergizes well with a number of other colony stimulating factors and interleukins.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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