

Human FLT3 Ligand Protein

Cat. No. FLT-HM23L

Description

Source	Recombinant Human FLT3 Ligand Protein is expressed from HEK293 with hFc at the C-Terminus. It contains Thr27-Pro185.
Accession	P49771-1
Molecular Weight	The protein has a predicted MW of 44.8 kDa. Due to glycosylation, the protein migrates to 90-118 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

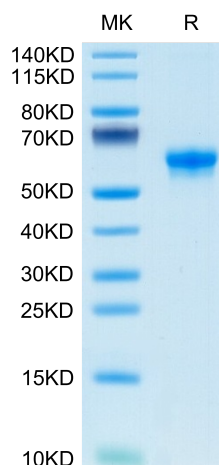
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose and 0.01% tween is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Flt3 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.

Assay Data

Bis-Tris PAGE

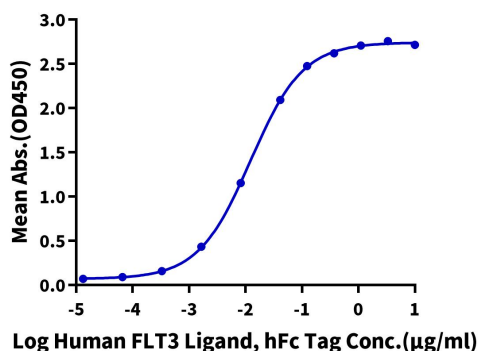


Human FLT3 Ligand on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human FLT3 Ligand, hFc Tag ELISA

0.05 μg Human FLT3, His Tag Per Well



Immobilized Human Human FLT3, His Tag at 0.5 $\mu\text{g}/\text{ml}$ (100 μl /Well) on the plate. Dose response curve for Human FLT3 Ligand, hFc Tag with the EC50 of 12.3ng/ml determined by ELISA.