

FLT3LG Protein, Mouse (163a.a, HEK293, Fc)

Cat. No.:	HY-P78298
Synonyms:	FL; Flt3 ligand; Flt3L; FLT3LG; SL cytokine
Species:	Mouse
Source:	HEK293
Accession:	P49772 (G27-Q189)
Gene ID:	14256
Molecular Weight:	55-65 kDa

PROPERTIES

Biological Activity	Mouse FLT3 Ligand, hFc Tag captured on CM5 Chip via Protein A can bind Human FLT3, His Tag with an affinity constant of 13.81 nM as determined in SPR assay (Biacore T200).
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The FLT3LG protein acts as a potent stimulator, fostering the proliferation of early hematopoietic cells through the activation of FLT3. Exhibiting synergistic effects, particularly in its soluble isoform, this homodimeric protein collaborates effectively with various colony-stimulating factors and interleukins. Its role in promoting the expansion and differentiation of hematopoietic progenitor cells underscores its significance in orchestrating key processes within the hematopoietic system.
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Caution: Product has not been fully validated for medical applications. For research use only.

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