10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Flt-3L

Catalog # PVGS1158

Product Information

Primary Accession	P49771
Species	Human
Sequence	Thr27-Pro185
Purity	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
Endotoxin Level	
Expression System	CHO
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 □g/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Additional Information

Gene ID	2323
Other Names	Fms-related tyrosine kinase 3 ligand, Flt3 ligand, Flt3L, SL cytokine, FLT3LG
Target Background	Fms-related tyrosine kinase 3 ligand (Flt3L) is growth fator stimulates the proliferation and differentiation of hematopoietic multipotent progenitors and promotes proliferation of NK cells and dendritic cell subgroups by combination with other growth factors. Flt3L is produced by T cells and stromal fibroblasts, and targeted various cells including hematopoietic stem cells, B cells, T cells, dendritic cells, and NK cells. Flt3L binds to it cognate tyrosine kinase receptor Flt3 and activates JAK/STAT signaling pathway.Flt3L is a hematopoietic four helical bundle cytokine with structurally homologous to stem cell factor (SCF) and colony stimulating facor 1 (CSF-1) demonstrated four conserved cysteines and two glycosylation sites. Flt3L naturally as a non-disulfide-linked homodimer with multiple isoforms. The extracellular portion is approximately 160 amino acid residues in length and the cytoplasmic segment is approximately 20-30 amino acid residues in length.

Protein Information

Name	FLT3LG
Function	Stimulates the proliferation of early hematopoietic cells by activating FLT3. Synergizes well with a number of other colony stimulating factors and interleukins. Required for the development of B cells, and dendritic cells (DCs).
Cellular Location	[Isoform 1]: Cell membrane; Single-pass type I membrane protein

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.