

FLT3 Ligand Protein, Mouse, Recombinant (CHO, His)

General Information

Synonyms:	Fms-related tyrosine kinase 3 ligand;SL cytokine;Flt3 ligand;Flt3LG
Protein Construction:	Gly27-Arg188
Species:	Mouse
Expression Host:	CHO Cells
Accession:	P49772
Molecular Weight:	24-30 kDa (Reducing conditions)

QC Testing

Biological Activity:	ED 50 < 10.0 ng /ml, measured in a cell proliferation assay using AML5 cells.
Purity:	> 95% as determined by SDS-PAGE
Endotoxin:	< 0.2 EU/µg of protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS.

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:

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.

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

Flt3L, also known as Fms-related tyrosine kinase 3 ligand and SL cytokine, is a single-pass type I membrane protein. It is expressed by stromal cells and T cells. Flt3L signals through tyrosine kinase receptor Flt3/Flk2 to stimulate the proliferation of early hematopoietic progenitor cells. It synergizes with other growth factors, such as GM-CSF, IL-3 and CSF, to promote the differentiation of both myeloid and lymphoid cells. Alternative splicing and proteolytic cleavage of membrane-bound Flt3L generates a soluble extracellular domain (ECD) isoform with full biological activity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481