

# Recombinant Mouse FLT3L Protein

**For Research Use Only**

## 1. Basic Product Information

Catalog No.: REP51452

Size: 10ug, 100ug

Protein Name: Fms-related tyrosine kinase 3 ligand (Flt3 ligand) (Flt3L) (SL cytokine)

Synonym: Flt3lg, Flt3l

UniProt ID: P49772

UniProt Link: [www.uniprot.org/uniprotkb/P49772/entry](http://www.uniprot.org/uniprotkb/P49772/entry)

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 232 AA

Molecular Weight: 26 KD

Protein Tag: C-terminal His6

## 2. Amino Acid Sequence

MTVLAPAWSPNSSLLLLLLLLLSPCLRGTPDCYFSHSPISSNFKVKFRELTDHLLKDYPVTVAVNLQDE  
KHCKALWSLFLAQRWIEQLKTVAGSKMQTLLEDVNTEIHFTSCTFQPLPECLRFVQTNISHLLKDTC  
TQLLALKPCIGKACQNF SRCLEVQCQPDSS TLLPPRSPIALEATELPEPRPRQLLLLLLLLLLPLTLVLLA  
AAWGLRWQRARRRGELHPGVPLPSHP

## 3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

## 5. Product Description

This product is recombinant Fms-related tyrosine kinase 3 ligand (Flt3 ligand) (Flt3L) (SL cytokine) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

**Protein Function:** Stimulates the proliferation of early hematopoietic cells by activating FLT3. Synergizes well with a number of other colony stimulating factors and interleukins. Essential for the development of natural killer (NK) cells, B cells, and dendritic cells (DCs).

**Subcellular Localization:** Cell membrane; Single-pass type I membrane protein.; [Isoform 3]: Secreted. Note=Biologically active.; [Isoform 4]: Secreted. Note=Inactive.

## 6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.