

Recombinant Human FLT3L Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50338

Size: 10ug, 100ug

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

Synonym: FLT3LG

UniProt ID: P49771

UniProt Link: www.uniprot.org/uniprotkb/P49771/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 235 AA

Molecular Weight: 26 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MTVLAPAWSPTTYLLLLLLLSSGLSGTQDCSFQHSPISSDFAVKIRELSDYLLQDYPVTVASNLQDEE
LCGGLWRLVLAQRWMERLKT VAGSKMQGLLERVNTEIH FVTKCAFQPPPSCLRFVQTNISRLLQET
SEQLVALKPWITRQNF SRCLELQCQPDSS TLPPPWSRPLEATAPTAPQPPLLLLLLLLPVGLLLAA
WCLHWQRTRRRTPRPG EQVPPVPSPQDLLLVEH

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. Required for the development of B cells, and dendritic cells (DCs).

Subcellular Localization: [Isoform 1]: Cell membrane; Single-pass type I membrane protein.; [Isoform 2]: Secreted.

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.