

Flt-3L

Catalog # PVGS1059

Product Information

Primary Accession <u>H9Z6V7</u>

Species Rhesus Macaque

Sequence Thr27-Pro185

Purity > 97% as analyzed by SDS-PAGE

> 97% as analyzed by HPLC

Endotoxin Level

Biological Activity Fully biologically active when compared to standard. The ED₅₀ as determined

by a cell proliferation assay using human AML5 cells is less than 1.0 ng/ml,

corresponding to a specific activity of $> 1.0 \times 10^6$ IU/mg.

Expression System E. coli

Theoretical Molecular Weight 18 kDa

Formulation Lyophilized from a 0.2 \(\text{Im filtered solution in PBS, pH 7.4.} \)

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 sterile distilled water or aqueous buffer containing 0.1% BSA to a

concentration of 0.1-1.0 mg/ml.

Storage & Stability Upon receiving, this product remains stable for up to 6 months at -70°C or

-20°C. Upon reconstitution, the product should be stable for up to 1 week at

4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Additional Information

Target Background Flt-3 ligand (FL) is a recently identified hematopoietic cytokine whose activities

are mediated by binding to the transmembrane glycoprotein Flt-3. Flt-3 was first discovered as a member of the class III subfamily of receptor tyrosine kinases (RTK) whose expression among hematopoietic cells was found to be restricted to highly enriched stem/progenitor cell populations. Additional class III RTKs include the receptors from SCF, M-CSF and PDGF. Not

surprisingly, Flt-3 ligand is also structurally related to M-CSF and SCF. All three cytokines have been shown to exist both as type I transmembrane proteins

and as soluble proteins.

Protein Information

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