

Recombinant Human FLT3 Ligand

Cat. #: SFT-010

Product Specifications

- Expression of Human Proteins in Human Cells
- Extremely Low Endotoxin Level
- High Purity
- Animal Free and Xeno Free
- Tag Free

Protein Description

Human FLT3 Ligand is a 24-30 kDa glycoprotein with a 158 amino acid. FLT3 Ligand is expressed by T cells, bone marrow and thymic fibroblasts. The predominant biologically active form is membrane-bound isoform, which can be proteolytically cleaved to generate a biologically active soluble isoform. FLT3 Ligand synergizes well with a number of other colony stimulating factors and interleukins to regulate proliferation of early hematopoietic cells by activating FLT3.

References

Lyman SD, et al. (1995) Oncogene 10(1), 149-157.

Hannum C, et al. (1994) Nature 368, 643-648.

Savvides, SN, et al. (2000) Nat. Struct. Biol. 7, 486.

Source: Derived from human cells

Size: 10 µg

Shipping: Ambient temperature

Structure: Glycosylated monomer

Purity: >95% by SDS-PAGE

Endotoxin Level: <0.5 EU/µg

Molecular Weight: 24-30 kDa

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein

Activity Assay

Activity was measured by its ability to stimulate the proliferation of the human acute myeloid leukemia cell line OCI-AML5.

Reconstitution

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

Stability and Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80° C as supplied. 1 month, 2 to 8° C under sterile conditions after reconstitution. 3 months, -20 to -80° C under sterile conditions after reconstitution.

