

# Recombinant Human FLT3 Ligand

Cat# HHM-FT

## Product Specifications

- Expression of Human Proteins in Human Cells
- Extreme low Endotoxin
- High Purity
- Animal Free and Xeno Free
- Tag Free

**Source:** Human cells derived

**Structure:** Glycosylated monomer

**Purity:** >95% by SDS-PAGE

**Endotoxin Level:** <0.5EU/ug

**Molecular Weight:** 24-30kDa

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

## Activity Assay

The 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 & 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.

## Protein Description

Human Flt3 Ligand is a 24-30kDa 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), 149-57.  
Hannum C., et al. (1994) Nature 368,643-648.  
Savvides, S.N. et al. (2000) Nat. Struct. Biol. 7:486.