


CA 1053	HumanKine™ FLT3 Ligand			
	Prod. No. S2311-10UG	lot #: PR1XXXXXX XXXX	Orders & Support	866 372-7442 support@primorigen.com
	<i>For Research Use Only Not intended for use in humans or animals</i>		Web	www.primorigen.com

Pack Size	10 µg
Species	Human
Expression System	HEK 293*
	Animal-derived product free
Molecular Mass	24 to 30 kDa, monomer, glycosated
Activity	Typically 0.2 to 0.8 ng/uL
Purity	≥ 95%
Endotoxin	≤ 1 EU/µg

Background:

Recombinant human FLT3 Ligand expressed in engineered human cells. FLT3 Ligand is a 24 to 30 kDa glycosylated monomer. FLT3 Ligand is a growth factor that controls proliferation of early hematopoietic cells and has been shown to synergize with a wide variety of hematopoietic cytokines to stimulate the growth and differentiation of early hematopoiesis. The cytokine stimulates the expansion of monocytes and immature dendritic cell and induces early B cell lineage differentiation as well as NK cell growth.

Note: Representative data are shown below (not Lot-specific).

Formulation:

Lyophilized from a 0.2 micron filtered solution in PBS.

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.

Storage and Stability:

Lyophilized products are stable for one year at -20°C to -80°C from date of receipt. Store only at -20°C to -80°C in working aliquots. Avoid repeated freeze-thaw cycles.

Quality Control Testing

Assay:

The specific activity was determined by the dose-dependent stimulation of the proliferation of the human acute myeloid leukemia cell line OCI-AML5.

Purity Confirmation:

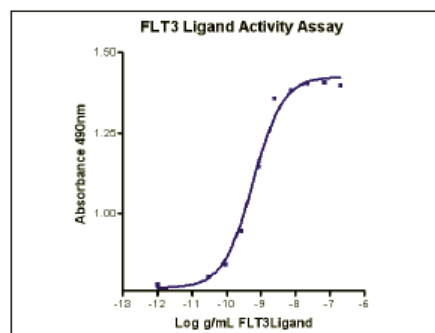
The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

References:

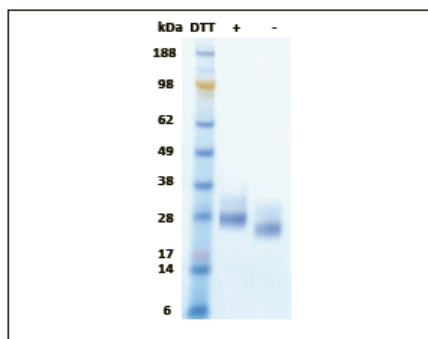
Meyer, C., *et al* (1999) *Leuk Lymph* 32, 577-581
Drexler, H., *et al* (2004) *Growth Factors* 22, 71-73

**All HumanKine™ cytokines are expressed in HEK 293 cells. HumanKine™ is a trademark of HumanZyme Inc.*

A. Activity Assay



B. SDS-PAGE



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