

FLT3 Ligand Protein | FLT3 protein

Human FLT3 Ligand Protein, mFc-His Tag

CATALOG #
AAA268940

HOST
HEK293 cells

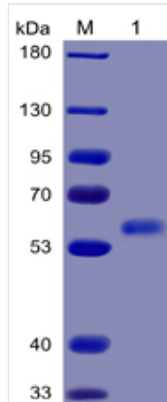
PRODUCT SYNONYMS

FLT3 Ligand; Human FLT3 Ligand Protein; mFc-His Tag; FLT3LG; FL; FLT3L; Flt3 ligand; FLT3 protein

PRODUCT SPECIFICATIONS

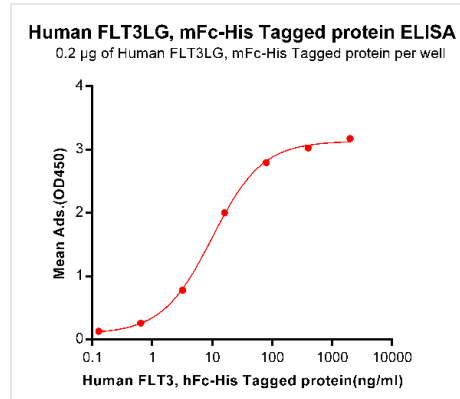
Host	HEK293 cells
Purity/Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5 %-40 % trehalose is added as protectants before lyophilization.
Sequence Positions	FLT3 Ligand (Thr27-Pro185)+mFc (Pro99-Lys330)
Species	Human
Vector and Tag	C-Mouse Fc and 6xHis tag
Preparation and Storage	Store at -80 degree C for 12 months (Avoid repeated freezing and thawing)

IMAGES



ELISA

Figure 2. ELISA plate pre-coated by 2ug/ml (100ul/well) Human FLT3LG, mFc-His tagged protein (PME100033) can bind Human FLT3, hFc-His tagged protein (PME100007) in a linear range of 0.128-10.02ng/ml.



SDS-PAGE

Figure 1. Human FLT3 Ligand Protein, mFc-His Tag on SDS-PAGE under reducing condition.

ADDITIONAL INFORMATION

Related Product Information for FLT3 protein	FMS-like tyrosine kinase 3 ligand (Flt-3 Ligand) is also known as FL, Flt3L and FLT3LG, is an alpha-helical cytokine that promotes the differentiation of multiple hematopoietic cell lineages. FLT3LG is expressed as a noncovalentlylinked dimer by T cells and bone marrow and thymic fibroblasts. Each 36kDa chain carries approximately 12kDa of N-and O-linked carbohydrates. FLT3LG is structurally homologous to stem cell factor (SCF) and colony stimulating facor 1 (CSF-1). FLT3LG acts as a growth factor that increases the number of immune cells by activating the hematopoietic progenitors. It also induces the mobilization of the hematopoietic progenitors and stem cells in vivo which may help the system to kill cancer cells. FLT3LG induces the expansion of monocytes and immature dendritic cells as well as early B cell lineage differentiation. FLT3LG cooperates with IL2, IL6, IL7, and IL15 to induce NK cell development and with IL3, IL7 and IL11 to induce terminal B cell maturation. Animal studies also show FLT3LG to reduce the severity of experimentally induced allergic inflammation. FLT3LG is crucial for steady-state pDC and cDC development. A lack of FLT3L results in low levels of DCs.
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NCBI AND UNIPROT INFORMATION

Molecular Weight	The protein has a predicted molecular mass of 45.6kDa after removal of the signal peptide.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/hek293-protein/flt3-ligand/268940>