Active Recombinant Full Length Human FLT3LG Protein, C-Flag-tagged

Cat. No. FLT3LG-916HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human FLT3LG Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Dendritic cells (DCs) provide the key link between innate and adaptive immunity by recognizing pathogens and priming pathogen-specific immune responses. FLT3LG controls the development of DCs and is particularly important for plasmacytoid DCs and CD8 (see MIM 186910)-positive classical DCs and their CD103-positive tissue counterparts.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	FLT-3LG generate dendritic cell differentiation: Fms-like tyrosine kinase 3 ligand (Flt3L) is a nonredundant cytokine required for dendritic cell (DC) homeostasis in lymphoid tissues. FLT3L is commonly used to generate pDCs in vitro.In this experiment, 300,000 unfractioned mouse bone marrow cells were cultured with purified recombinant human FLT-3L at indicated concentrations. Total live cells were counted at the day 8.
Molecular Mass	26.2 kDa

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

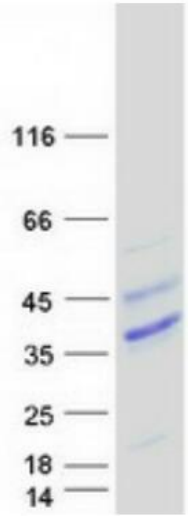
AA Sequence	MTVLAPAWSPTTYLLLLLLLSSGLSGTQDCSFQHSPISSDFAVKIRELSDYLLQDYPV TVASNLQDEELC GGLWRLVLAQRWMERLKTVAGSKMQGLLERVNTEIHFVTKCAF QPPPSCLRFVQTNISRLLQETSEQLVA LKPWITRQNFSRCLELQCQPDSSTLPPPW SPRPLEATAPTAPQPPLLLLLLLPVGLLLLAAAWCLHWQRT RRRTPRPGEQVPPVPSPQDLLLVEHTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
Protein Pathways	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Pathways in cancer
Full Length	Full L.

GENE INFORMATION

Gene Name	FLT3LG fms related receptor tyrosine kinase 3 ligand [Homo sapiens (human)]
Official Symbol	FLT3LG

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Synonyms	FL; FLG3L; FLT3L
Gene ID	2323
mRNA Refseq	NM_001459.4
Protein Refseq	NP_001450.2
MIM	600007
UniProt ID	P49771



Coomassie blue staining of purified FLT3LG protein.

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