

Product datasheet for PH322242

Flt3 ligand (FLT3LG) (NM_001459) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FLT3LG MS Standard C13 and N15-labeled recombinant protein (NP_001450)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222242
Predicted MW:	26.4 kDa
Protein Sequence:	>RC222242 protein sequence Red =Cloning site Green =Tags(s) MTVLAPAWSPTTYLLLLLLLLSSGLSGTQDCSFQHSPISSDFAVKIRELSDYLLQDYPVTVASNLQDEELC GGLWRLVLAQRWMERLKTVAGSKMQGLLERVNTIEIHFVTKCAFQPPPSCLRFVQTNISRLQLQETSEQLVA LKPWITRQNF SRCLELQCQPDSSSTLPPWSPRPLEATAPTAPQPPLLLLLLLLPVGLLLLLAAAWCLHWQRT RRRTPRPGEQVPPVPSPQDLLLLVEH TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001450
RefSeq Size:	1074
RefSeq ORF:	705
Synonyms:	FL; FLG3L; FLT3L
Locus ID:	2323
UniProt ID:	P49771



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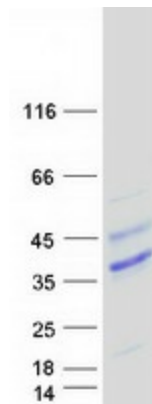
Cytogenetics: 19q13.33

Summary: 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 (ITGAE; MIM 604682)-positive tissue counterparts (summary by Sathaliyawala et al., 2010 [PubMed 20933441]).[supplied by OMIM, Jan 2011]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Pathways in cancer

Product images:



Coomassie blue staining of purified FLT3LG protein (Cat# [TP322242]). The protein was produced from HEK293T cells transfected with FLT3LG cDNA clone (Cat# [RC222242]) using MegaTran 2.0 (Cat# [TT210002]).