

Recombinant Human FLT3LG, His-tagged

Cat. No. FLT3LG-28341TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 27-181 of Human Flt3 ligand with His tag produced in the endosperm tissue of barley grain ; 156 amino acids, 19.8 kDa.
Species	Human
ProteinLength	27-181 a.a.
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 (ITGAE; MIM 604682)-positive tissue counterparts (summary by Sathaliyawala et al.
Conjugation	HIS
Biological activity	Bioactivity: The EC50 for FLT3LG-28341TH lies in the range of 0.12-0.18 ng/ml, corresponding to specific activity 6.62 x 10 ⁶ U/mg. We recommend that the optimal concentration for each specific application be determined by an initial dose-response assay.
Form	Lyophilised: It is recommended to reconstitute the lyophilized protein in sterile phosphate-buffered saline to a concentration of no less than 100 µg/ml. For long term storage of the reconstituted solution it is recommended to add a carrier protein (0.1% H

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Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10mM Acetic acid, pH 5.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	FLT3LG fms-related tyrosine kinase 3 ligand [Homo sapiens]
Official Symbol	FLT3LG
Synonyms	FLT3LG; fms-related tyrosine kinase 3 ligand;
Gene ID	2323
mRNA Refseq	NM_001204502
Protein Refseq	NP_001191431
MIM	600007
Uniprot ID	P49771
Chromosome Location	19q13.3
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Pathways in cancer, organism-specific biosystem;

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Function	cytokine activity; receptor binding;
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