

Active Recombinant Human FLT3LG Protein, His-tagged

Cat. No. FLT3LG-4374H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FLT3LG (156 a.a.) full-length recombinant protein with His tag expressed in Barley grain (<i>Hordeum vulgare</i>).
Species	Human
Source	Barley Grain
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., 2010 [PubMed 20933441]).[supplied by OMIM, Jan 2011]
Form	Lyophilized
Bio-activity	The ED50 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.
Molecular Mass	20, 22 kDa
Endotoxin	Endotoxin level is less than 0.005 ng per µg protein (0.05EU/µg) as measured by turbidimetric kinetic assay.

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Purity	> 98% by SDS-PAGE
Applications	Western Blot (Recombinant protein) Functional Study SDS-PAGE
Storage	Store at -20 centigrade on dry atmosphere. After reconstitution with sterile water to a concentration of no less than 100 ug/mL, store at -20 centigrade. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Aliquot to avoid repeated freezing and thawing.
Concentration	100 µg/mL
Storage Buffer	Lyophilized from 10 mM acetic acid, pH 5.0

GENE INFORMATION

Gene Name	FLT3LG fms-related tyrosine kinase 3 ligand [Homo sapiens]
Official Symbol	FLT3LG
Synonyms	FLT3LG; fms-related tyrosine kinase 3 ligand; flt3 ligand; FL; FLT3L;
Gene ID	2323
mRNA Refseq	NM_001204502
Protein Refseq	NP_001191431
MIM	600007

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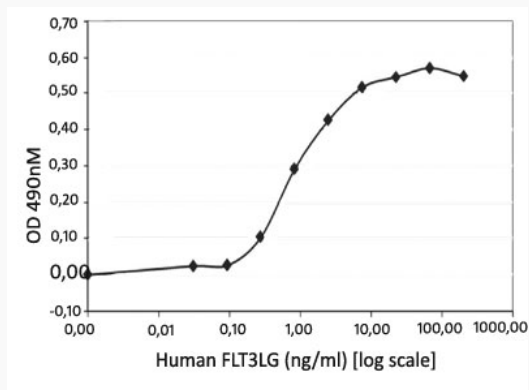
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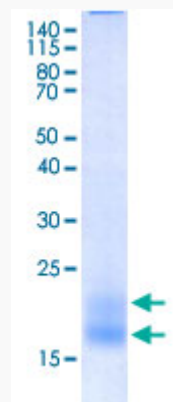
UniProt ID

P49771

Result of activity analysis



Quality Control Testing

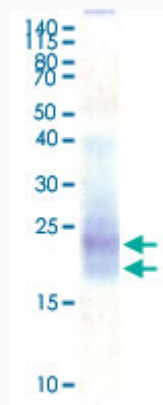


SDS-PAGE Stained with Coomassie Blue

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Application Image

Western Blot (Recombinant protein)

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