

# Recombinant Human FLT3LG Protein

**Cat. No.** FLT3LG-488H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human FLT3LG protein                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 235                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | 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]). |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MTVLAPAWSPTTYLLLLLLLSSGLSGTQDCSFQHSPISDFAVKIRELSDYLLQDYPV<br>TVASNLQDEELCGGLWRLVLAQRWMERLKTVAGSKMQGLLERVNTIEHFVTKCAF<br>QPPPSCLRFVQTNISRLLQETSEQLVALKPWITRQNFRCLELQCQPDSSSTLPPPPWS<br>PRPLEATAPTAPQPPLLLLLLLLPVGLLLAAAWCLHWQRTTRRTPRPGEQVPPVPSP<br>QDLLLLVEH                                                                                                                                                                   |
| <b>Purity</b>           | > 98%                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>     | WB; ELISA; FACS; FC                                                                                                                                                                                                                                                                                                                                                                                                            |

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|                       |                                                                                                                                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.                                                                      |
| <b>Storage</b>        | At -20 centigrade.                                                                                                                                                                                                                                                          |
| <b>Storage Buffer</b> | PBS (pH 7.4-7.5). Sterile-filtered colorless solution.                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance. |

## GENE INFORMATION

|                        |                                                                       |
|------------------------|-----------------------------------------------------------------------|
| <b>Gene Name</b>       | FLT3LG fms-related tyrosine kinase 3 ligand [ Homo sapiens (human) ]  |
| <b>Official Symbol</b> | FLT3LG                                                                |
| <b>Synonyms</b>        | FLT3LG; fms-related tyrosine kinase 3 ligand; flt3 ligand; FL; FLT3L; |
| <b>Gene ID</b>         | 2323                                                                  |
| <b>mRNA Refseq</b>     | NM_001204502                                                          |
| <b>Protein Refseq</b>  | NP_001191431                                                          |
| <b>MIM</b>             | 600007                                                                |
| <b>UniProt ID</b>      | P49771                                                                |

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