

# Active Recombinant Human SLAMF1, Fc-tagged

**Cat. No.** SLAMF1-679H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The recombinant human SLAMF1-Fc fusion protein is expressed as a 445-amino acid protein consisting of Ala21 - Pro237 region of SLAMF1 (UniProt accession #Q13291) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 21-237 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free).                                                                                                                                                                                                                                                                                                                                                                |
| <b>Bio-activity</b>     | Co-stimulates IL-4 secretion by T cells in the presence of anti-CD3e antibody                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | Calculated molecular mass (kDa): 49.9; Estimated by SDS-PAGE under reducing condition (kDa): 65-75                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | ASYGTGGRMMNCPKILRQLGSKVLLPLTYERINKSMNKSIHIVVTMAKSLENSVENKI<br>VSLDPSEAGPPRYLGDR YKFYLENLTLGIRESRKEDEGWYLMLEKNVSVQRFCLQ<br>LRLYEQVSTPEIKVLNKTQENGCTCTLILGCTVEKG DHVAYSWSEKAGTHPLNPANSS<br>HLLSLTLGPQHADNIYICTVSNPISNNSQTFSPWPGCRTDPSETKPSTGTHT CPPCP<br>APELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHN<br>AKTKPREEQYNST YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQ<br>PREPQVYTLPPSREEMTKNQVSLTCLVKGFY PSDIAVEWESNGQPENNYKTTTPVL |

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|                  |                                                                                                                                                                                                                                                                                                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | DSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK                                                                                                                                                                                                                                                                                                   |
| <b>Endotoxin</b> | <0.1 eu="" per="" 1="" μg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" la="">                                                                                                                                                                                                                                          |
| <b>Purity</b>    | >95% judged by SDS-PAGE under reducing condition                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>   | The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles. |

## GENE INFORMATION

|                        |                                                                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SLAMF1 signaling lymphocytic activation molecule family member 1 [ Homo sapiens ]                                                                                                           |
| <b>Official Symbol</b> | SLAMF1                                                                                                                                                                                      |
| <b>Synonyms</b>        | SLAMF1; signaling lymphocytic activation molecule family member 1; signaling lymphocytic activation molecule , SLAM; signaling lymphocytic activation molecule; CD150; IPO-3; SLAM; CDw150; |
| <b>Gene ID</b>         | 6504                                                                                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_003037                                                                                                                                                                                   |
| <b>Protein Refseq</b>  | NP_003028                                                                                                                                                                                   |
| <b>MIM</b>             | 603492                                                                                                                                                                                      |

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|----------------------------|--------------------------------------------------------------------------------|
| <b>UniProt ID</b>          | Q13291                                                                         |
| <b>Chromosome Location</b> | 1q23.3                                                                         |
| <b>Pathway</b>             | Measles, organism-specific biosystem; Measles, conserved biosystem;            |
| <b>Function</b>            | antigen binding; receptor activity; transmembrane signaling receptor activity; |

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