

# Active Recombinant Mouse Clec5a protein, His-tagged

**Cat. No.** Clec5a-06M    **Lot. No.** (See product label)

## SPECIFICATION

|                             |                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b>     | Recombinant Mouse Clec5a(Tyr26-Lys190) fused with His tag at N-terminal was expressed in NS0.                                                                                                                                                                      |
| <b>Species</b>              | Mouse                                                                                                                                                                                                                                                              |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>        | 26-190 a.a.                                                                                                                                                                                                                                                        |
| <b>Predicted N Terminal</b> | His                                                                                                                                                                                                                                                                |
| <b>Form</b>                 | Lyophilized from a 0.2 µm filtered solution in PBS.                                                                                                                                                                                                                |
| <b>Bio-activity</b>         | Measured by its binding ability in a functional ELISA. When Recombinant Mouse Galectin-9 is immobilized at 0.5 µg/mL (100 µL/well), the concentration of Recombinant Mouse MDL-1/CLEC5A that produces 50% optimal binding response is approximately 0.1-0.5 µg/mL. |
| <b>Molecular Mass</b>       | Predicted Molecular Mass: 20 kDa;<br>SDS-PAGE: 34-45 kDa, reducing conditions.                                                                                                                                                                                     |
| <b>Endotoxin</b>            | <0.10 EU per 1 µg of the protein by the LAL method.                                                                                                                                                                                                                |
| <b>Purity</b>               | >90%, by SDS-PAGE with silver staining                                                                                                                                                                                                                             |

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>             | <p>Avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 centigrade as supplied.</p> <p>1 month, 2 to 8 centigrade under sterile conditions after reconstitution.</p> <p>3 months, -20 to -70 centigrade under sterile conditions after reconstitution.</p>                                                                                             |
| <b>Reconstitution</b>      | Reconstitute at 100 µg/mL in PBS.                                                                                                                                                                                                                                                                                                                                                      |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>           | Clec5a C-type lectin domain family 5, member a [ <i>Mus musculus</i> ]                                                                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b>     | Clec5a                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>            | CLEC5A; C-type lectin domain family 5, member a; C-type lectin domain family 5 member A; C-type lectin superfamily member 5; myeloid DAP12-associating lectin 1; myeloid DAP12-associating lectin-1; type II transmembrane protein MDL-1; C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 5; Mdl1; Ly100; MDL-1; Clecsf5; MGC129446; MGC129447; |
| <b>Gene ID</b>             | 23845                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>         | NM_001038604                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>      | NP_001033693                                                                                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>          | Q9R007                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Chromosome Location</b> | 6; 6 B1                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Function</b>            | binding; protein binding; sugar binding; viral receptor activity; viral receptor activity;                                                                                                                                                                                                                                                                                             |

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