

## Active Recombinant Mouse Clec11a Protein, His-tagged

**Cat. No.** Clec11a-1050M    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Mouse Clec11a (Accession # O88200) Ala22-Phe328, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.                                                                                                                                                                                                                       |
| <b>Species</b>              | Mouse                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>        | Ala22-Phe328                                                                                                                                                                                                                                                                                                                                                                |
| <b>Predicted N Terminal</b> | Ala22                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>                 | Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.                                                                                                                                                                                                                                                                                            |
| <b>Bio-activity</b>         | Measured by its ability to promote the expansion of E16 rat liver mononuclear cells in vitro, in the presence of Recombinant Mouse SCF/c-kit Ligand, Recombinant Mouse Thrombopoietin/Tpo, and Recombinant Mouse Flt-3 Ligand. The ED50 for this effect is typically 0.1-0.4 µg/mL in the presence of cross-linking antibody, Mouse Anti-polyHistidine Monoclonal Antibody. |
| <b>Molecular Mass</b>       | Recombinant Mouse Clec11a, His-tagged has a calculated MW of 35.1 kDa. In SDS-PAGE migrates as 50 kDa, reducing conditions.                                                                                                                                                                                                                                                 |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In                                                                                                                                                                                                                                                                                       |

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

## GENE INFORMATION

|                 |                                                                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Clec11a C-type lectin domain family 11, member a [ Mus musculus ]                                                                                                                |
| Official Symbol | Clec11a                                                                                                                                                                          |
| Synonyms        | CLEC11A; C-type lectin domain family 11, member a; C-type lectin domain family 11 member A; stem cell growth factor; lymphocyte secreted C-type lectin; Scgf; Clecsf3; AW457320; |
| Gene ID         | 20256                                                                                                                                                                            |
| mRNA Refseq     | NM_009131                                                                                                                                                                        |
| Protein Refseq  | NP_033157                                                                                                                                                                        |
| MIM             |                                                                                                                                                                                  |

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