# Active Recombinant Mouse Clec4g Protein, HA-tagged

**Cat. No.** CLEC4G-3569M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Mouse Clec4g (Leu52-Tyr294) protein with Hemagglutinin (YPYDVPDYA) tag at N-terminus was expressed in chinese hamster ovary cell line. |
| **Species** | Mouse |
| **Source** | CHO |
| **ProteinLength** | 52-294 |
| **Description** | Binds mannose, N-acetylglucosamine (GlcNAc) and fucose, but not galactose, in a Ca2+-dependent manner. |
| **Form** | Lyophilized |
| **Bio-activity** | Measured by its binding ability in a functional ELISA. When Recombinant Mouse BTNL4 Fc Chimera is immobilized at 2 μg/mL (100 μL/well), Recombinant Mouse LSECtin/CLEC4G binds with an ED50 of 0.15-1.2 μg/mL. |
| **Molecular Mass** | 29 kDa |
| **N-terminal Sequence Analysis** | Tyr |
| **Endotoxin** | <0.1 EU/μg of the protein by the LAL method. |

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| **Purity** | >95% by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining. |
| **Storage** | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.<br>12 months from date of receipt, -20 to -70 centigrade as supplied.<br>1 month, 2 to 8 centigrade under sterile conditions after reconstitution.<br>3 months, -20 to -70 centigrade under sterile conditions after reconstitution. |
| **Storage Buffer** | Lyophilized from a 0.2 μm filtered solution in PBS. |
| **Reconstitution** | Reconstitute at 500 μg/mL in PBS. |

## GENE INFORMATION

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| **Gene Name** | Clec4g C-type lectin domain family 4, member g [ Mus musculus (house mouse) ] |
| **Official Symbol** | Clec4g |
| **Synonyms** | Clec4g; C-type lectin domain family 4, member g; 4930572L20Rik; C-type lectin domain family 4 member G |
| **Gene ID** | 75863 |
| **mRNA Refseq** | NM_029465 |
| **Protein Refseq** | NP_083741 |
| **UniProt ID** | Q8BNX1 |

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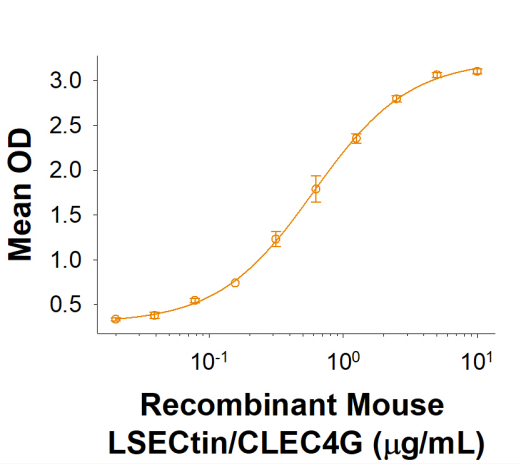
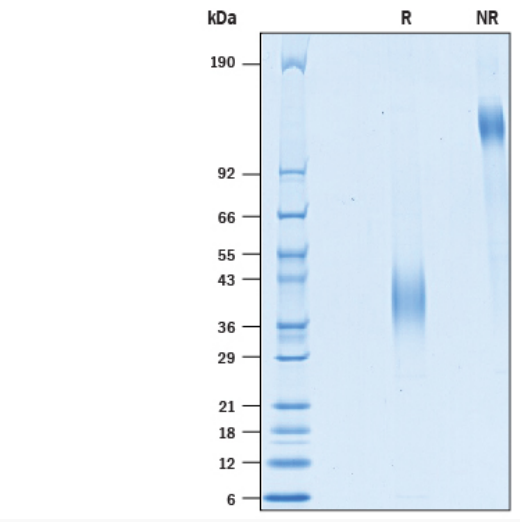
**Binding Activity**




When Recombinant Mouse BTNL4 Fc Chimera is immobilized at 2 μg/mL, Recombinant Mouse LSECtin/CLEC4G binds with an ED50 of 0.15-1.2 μg/mL.

**SDS-PAGE**




2 μg/lane of Recombinant Mouse LSECtin/CLEC4G was resolved with SDS-PAGE under reducing (R) and non-reducing (NR) conditions and visualized by Coomassie® Blue staining, showing bands at 36-44 kDa and 110-130 kDa,

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