

Active Recombinant Mouse Clec4g Protein, HA-tagged

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

SPECIFICATION

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 Ca ²⁺ -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.

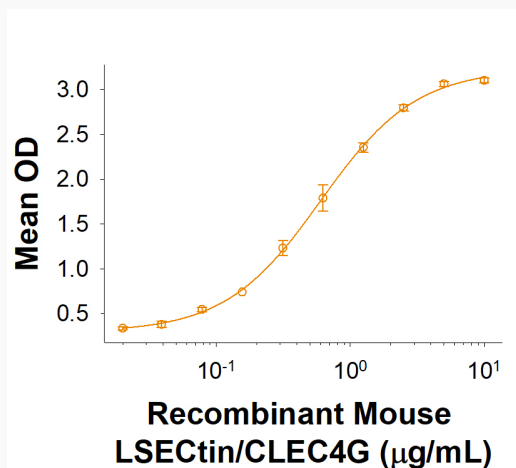
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

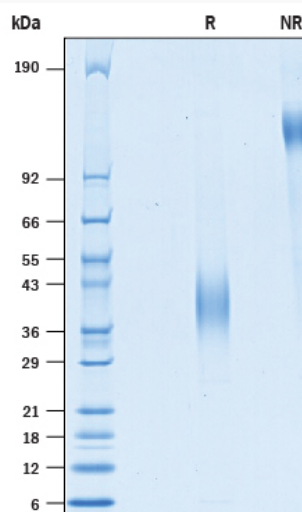
Purity	>95% by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 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	
Gene Name	Clec4g C-type lectin domain family 4, member g [<i>Mus musculus</i> (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

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,

repsectively.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA