

Recombinant Mouse Clec7a Protein, His-tagged

Cat. No. Clec7a-798M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Clec7a Protein (Arg71-Leu244) with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Arg71-Leu244
Description	Predicted to enable (1->3)-beta-D-glucan binding activity and pattern recognition receptor activity. Predicted to be involved in several processes, including phagocytosis, recognition; positive regulation of cytokine production involved in inflammatory response; and response to fungus. Predicted to be active in cell surface. Is expressed in brain; gut; limb; musculature; and ventral grey horn. Human ortholog(s) of this gene implicated in aspergillosis and chronic mucocutaneous candidiasis. Orthologous to human CLEC7A (C-type lectin domain containing 7A).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.6 kDa; Accurate Molecular Mass: 24 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Clec7a C-type lectin domain family 7, member a [<i>Mus musculus</i> (house mouse)]
Official Symbol	Clec7a
Synonyms	CLEC7A; C-type lectin domain family 7, member a; C-type lectin domain family 7 member A; dectin-1; beta-glucan receptor; DC-associated C-type lectin 1; C-type lectin superfamily member 12; dendritic cell-associated C-type lectin 1; C-type (calcium dependent, carbohydrate recognition domain) lectin, superfamily member 12; BGR; beta-GR; Clecsf12;
Gene ID	56644
mRNA Refseq	NM_020008
Protein Refseq	NP_064392

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UniProt ID

Q6QLQ4

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