

Recombinant Rat COLEC12 Protein, His-tagged

Cat. No. COLEC12-1109R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mature form of rat COLEC12 (Q4V885) (Ala101-Leu742) was expressed, with a polyhistidine tag at the N-terminus.
Species	Rat
Source	Insect Cells
ProteinLength	101-742 a.a.
Predicted N Terminal	His
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.01, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant ratCOLEC12 consists of 658 amino acids and predicts a molecular mass of 72.4 KDa. It migrates as an approximately 90 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>99 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Colec12 collectin sub-family member 12 \[Rattus norvegicus \]](#)

Official Symbol [COLEC12](#)

Synonyms COLEC12; collectin sub-family member 12; collectin-12; CL-P1; collectin placenta protein 1; nurse cell scavenger receptor 2; MGC114569;

Gene ID [361289](#)

mRNA Refseq [NM_001025721](#)

Protein Refseq [NP_001020892](#)

MIM

UniProt ID

Pathway Phagosome, organism-specific biosystem; Phagosome, conserved biosystem;

Function binding; low-density lipoprotein particle binding; low-density lipoprotein particle binding; metal ion binding; pattern recognition receptor activity; pattern recognition receptor activity; sugar binding;

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