

Datasheet for ABIN7195183
COLEC12 Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	COLEC12
Origin:	Rat
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COLEC12 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat CLP1/COLEC12 Protein (His Tag)
Sequence:	Ala101-Leu742
Characteristics:	A DNA sequence encoding the mature form of rat COLEC12 (Q4V885) (Ala101-Leu742) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 99 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

Target Details

Target:	COLEC12
Alternative Name:	CLP1/COLEC12 (COLEC12 Products)
Background:	Background: CLP1, also known as COLEC12, is a scavenger receptor that displays several functions associated with host defense. It contains 1 C-type lectin domain and 3 collagen-like domains. CLP1 is strongly expressed in placenta and moderately expressed in heart, skeletal

Target Details

muscle, small intestine and lung. It promotes binding and phagocytosis of Gram-positive, Gram-negative bacteria and yeast. CLP1 mediates the recognition, internalization and degradation of oxidatively modified low density lipoprotein (oxLDL) by vascular endothelial cells. It binds to several carbohydrates including Gal-type ligands, D-galactose, L- and D-fucose, GalNAc, T and Tn antigens in a calcium-dependent manner and internalizes specifically GalNAc in nurse-like cells. It binds also to sialyl Lewis X or a trisaccharide and asialo-orosomucoid (ASOR). CLP1 may also play a role in the clearance of amyloid beta in Alzheimer disease.

Synonym: Clp1,Nsr2,COLEC12

Molecular Weight: 72.4 kDa

UniProt: [Q4V885](#)

Pathways: [Activation of Innate immune Response](#)

Application Details

Restrictions: For Research Use only

Handling

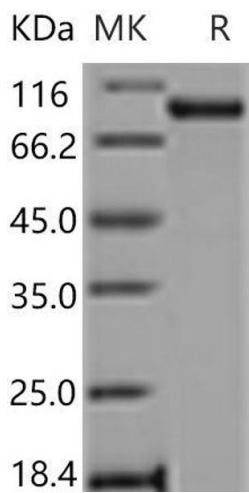
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.0

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.