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Datasheet for ABIN7274366

CLEC7A Protein (AA 71-244) (Fc Tag)

2 Images

Overview

Quantity:	100 µg
Target:	CLEC7A
Protein Characteristics:	AA 71-244
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLEC7A protein is labelled with Fc Tag.

Product Details

Purpose:	Mouse CLEC7A Protein
Sequence:	Gly71-Leu244
Characteristics:	Recombinant Mouse CLEC7A Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Gly71-Leu244.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CLEC7A
Alternative Name:	CLEC7A (CLEC7A Products)

Target Details

Background: Dendritic cell-associated C-type lectin-1 (Dectin-1), also known as β -glucan receptor is an emerging pattern recognition receptor (PRR) which belongs to the family of C-type lectin receptor (CLR). Dectin-1 signaling axis has been suggested to be targeted as an effective therapeutic strategy for cancers. Dectin-1 has also been elucidated ascetically in the heart, respiratory, intestinal, neurological and developmental disorders.

Molecular Weight: 46.08 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.

UniProt: [Q6QLQ4](#)

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

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

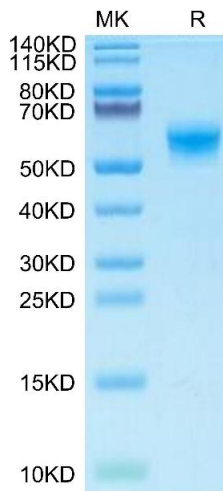
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 $^{\circ}$ C,-80 $^{\circ}$ C

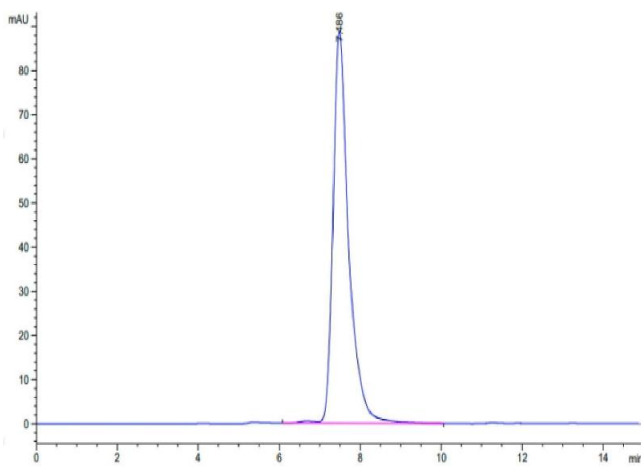
Storage Comment: -20 to -80 $^{\circ}$ C for 12 months as supplied from date of receipt.,-80 $^{\circ}$ C for 3-6 months after reconstitution.,2-8 $^{\circ}$ C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Mouse CLEC7A on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse CLEC7A is greater than 95 % as determined by SEC-HPLC.