

# Human CLEC7A Protein

Cat. No. CLE-HM27A



## Description

Source	Recombinant Human CLEC7A Protein is expressed from HEK293 with hFc tag at the N-Terminus.
	It contains Thr66-Met201.
Accession	Q9BXN2-2
Molecular Weight	The protein has a predicted MW of 41.79 kDa. Due to glycosylation, the protein migrates to 45-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

## Formulation and Storage

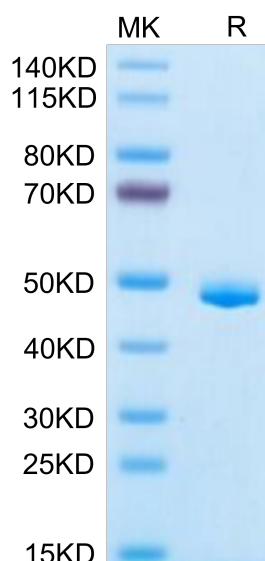
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Dendritic cell-associated C-type lectin-1 (Dectin-1), also known as  $\beta$ -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.

## Assay Data

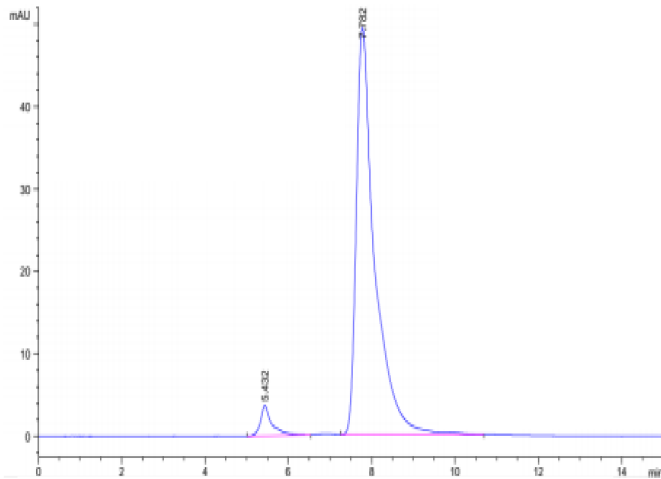
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data



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