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Datasheet for ABIN7274191 CD55 Protein (AA 36-350) (His tag)

2 Images



Overview

Quantity:	100 µg
Target:	CD55
Protein Characteristics:	AA 36-350
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD55 protein is labelled with His tag.

Product Details

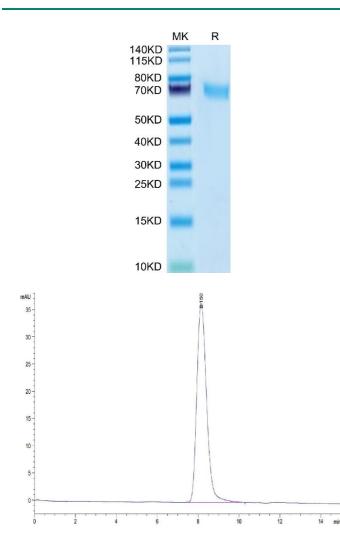
Purpose:	Cynomolgus CD55 Protein
Sequence:	Asp36-Ser350
Characteristics:	Recombinant Cynomolgus CD55 Protein is expressed from HEK293 with His tag at the C- Terminus.It contains Asp36-Ser350.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CD55
Alternative Name:	CD55 (CD55 Products)

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Target Details	
Background:	Decay Accelerating Factor (or CD55) is a major regulator of the alternative and classical pathways of complement activation and is expressed on all serum-exposed cells. It is commonly hijacked by invading pathogens, including many enteroviruses and uropathogenic Escherichia coli, to promote cellular attachment prior to infection.
Molecular Weight:	35.5 kDa. Due to glycosylation, the protein migrates to 65-70 kDa based on Tris-Bis PAGE result.
UniProt:	A0A2K5X1Z6
Pathways:	Complement System, Regulation of Leukocyte Mediated Immunity
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 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°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. Cynomolgus CD55 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 Cynomolgus CD55 is greater than 95 % as determined by SEC-HPLC.

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