

Datasheet for ABIN7274204
CD55 Protein (AA 35-362) (His tag)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	CD55
Protein Characteristics:	AA 35-362
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD55 protein is labelled with His tag.

Product Details

Purpose:	Mouse CD55 Protein
Sequence:	Asp35-Gly362
Characteristics:	Recombinant Mouse CD55 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp35-Gly362.
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)

Target Details

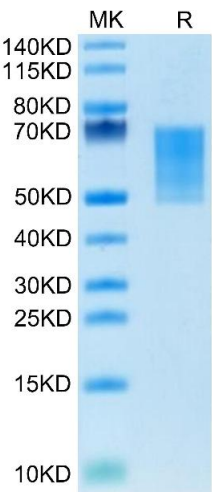
Background:	Decay Accelerating Factor (or CD55) is a major regulator of the alternative and classical pathways of complement activation and is expressed on all serum-exposed cells. It is commonly hijacked by invading pathogens, including many enteroviruses and uropathogenic Escherichia coli, to promote cellular attachment prior to infection.
Molecular Weight:	36.6 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
UniProt:	Q61475
Pathways:	Complement System , Regulation of Leukocyte Mediated Immunity

Application Details

Restrictions:	For Research Use only
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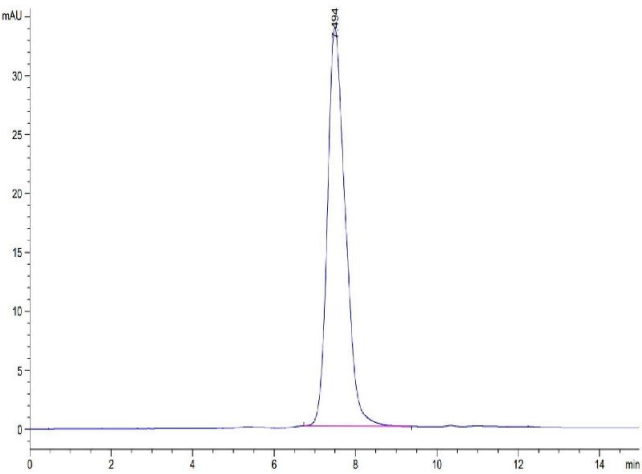
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/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. Mouse 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 Mouse CD55 is greater than 95 % as determined by SEC-HPLC.