

Datasheet for ABIN7320173

**CD59a Protein (CD59A) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	CD59a (CD59A)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD59a protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse CD59a/MAC-IP Protein (His Tag)
Sequence:	Met 1-Lys 95
Characteristics:	A DNA sequence encoding the mouse CD59a (O55186) (Met 1-Lys 95), without the pro peptide, was fused with a C-terminal polyhistidine tag.
Purity:	> 92 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

## Target Details

Target:	CD59a (CD59A)
Alternative Name:	CD59a/MAC-IP ( <a href="#">CD59A Products</a> )
Background:	Background: Protectin, a complement regulatory protein, also known as CD59, or MIRL (membrane inhibitor of reactive lysis) is a small protein that inhibits the complement membrane attack complex by binding C5b678 and preventing C9 from binding and

## Target Details

polymerizing. The amino-terminal 25 amino acids represented a typical signal peptide sequence and the carboxy-terminal hydrophobic amino acids were characteristic for phosphatidylinositol-anchored proteins. It was found that the CD59/Protectin antigen is a small protein sometimes associated with larger components (45 and 80 kD) in urine. CD59/Protectin antigen was released from the surface of transfected COS cells by phosphatidylinositol-specific phospholipase C, demonstrating that it is attached to the cell membrane by means of a glycolipid anchor, it is therefore likely to be absent from the surface of affected erythrocytes in the disease paroxysmal nocturnal hemoglobinuria.

Synonym: AA987121, Cd59, protectin, RP24-297H17.1

Molecular Weight: 9.7 kDa

UniProt: [O55186](#)

## Application Details

Restrictions: For Research Use only

## Handling

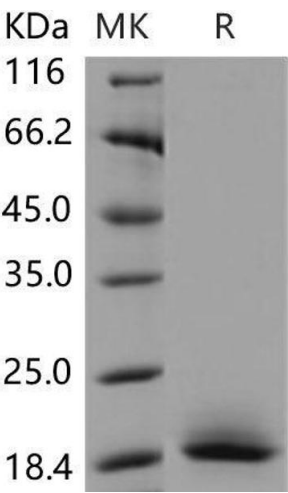
Format: Lyophilized

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

Buffer: Lyophilized from sterile PBS, pH 7.4

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.