

# Human CD44 (His Tag) recombinant protein



Catalog Number: 500618

## General Information

### Gene Name Synonym

CDw44; Epican; Extracellular matrix receptor III; GP90 lymphocyte homing/adhesion receptor; HUTCH-I; Heparan sulfate proteoglycan; Hermes antigen; Hyaluronate receptor; Phagocytic glycoprotein 1; Phagocytic glycoprotein I

### Protein Construction

A DNA sequence encoding the N-terminal fragment (Met 1-Pro 220) of human CD44 (P16070-1) extracellular domain was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gln 21

### Molecular Mass

The recombinant human CD44 consists of 211 amino acids and has a predicted molecular mass of 23.4 kDa. As a result of glycosylation, the apparent molecular mass of rhCD44 is approximately 43-48 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage

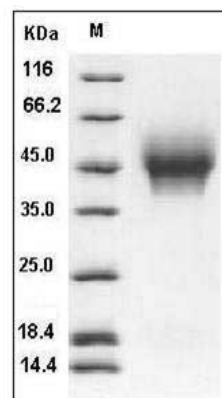
Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ .

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human CD44 Protein (His Tag) SDS-PAGE