

# Human CD44 (Fc Tag) recombinant protein



Catalog Number: 504262

## 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 human CD44 (P16070-1) (Met1-Pro220) was expressed with the Fc region of human IgG1 at the C-terminus.

**Source:**Human

**Expression Host:**Human Cells

## QC Testing

**Activity:**

**Purity:**

> 90 % 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/Fc is a disulfide-linked homodimer. The reduced monomer comprises 441 amino acids and has a predicted molecular mass of 49.1 kDa. The apparent molecular mass of the protein is approximately 76 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

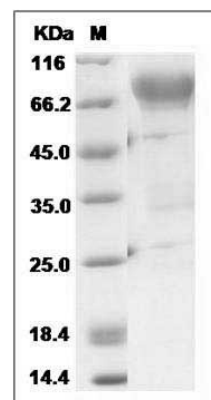
### Storage:

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 (Fc Tag) SDS-PAGE