

## Active Recombinant Human CD44 protein, His-tagged

**Cat. No.** CD44-3961H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD44 protein(Gln 21-Pro 220), fused with C-terminal His tag, was expressed in HEK293.                                             |
| <b>Species</b>          | Human                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                              |
| <b>ProteinLength</b>    | Gln 21-Pro 220                                                                                                                                      |
| <b>Tag</b>              | C-His                                                                                                                                               |
| <b>Form</b>             | Liquid in sterile PBS, pH7.4.                                                                                                                       |
| <b>Bio-activity</b>     | Immobilized Human CD44, His Tag at 5 µg/mL (100 µL/well) can bind Hyaluronan biotin sodium salt with a linear range of 39-156 ng/mL.                |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 22.9 kDa. The protein migrates as 35-58 kDa under reducing condition (SDS-PAGE) due to glycosylation.            |
| <b>Endotoxin</b>        | <1.0EU per 1µg (determined by the LAL method).                                                                                                      |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE.                                                                                                                   |
| <b>Storage</b>          | Store it under sterile conditions at -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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**Concentration** 1.0mg/ml.

**Reconstitution** Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** CD44 CD44 molecule (Indian blood group) [ Homo sapiens ]

**Official Symbol** CD44

**Synonyms**

CD44; CD44 molecule (Indian blood group); CD44 antigen (homing function and Indian blood group system) , MDU2, MDU3, MIC4; CD44 antigen; CD44R; chondroitin sulfate proteoglycan 8; CSPG8; HCELL; hematopoietic cell E and L selectin ligand; IN; MC56; Pgp1; epican; Hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; heparan sulfate proteoglycan; cell surface glycoprotein CD44; extracellular matrix receptor III; GP90 lymphocyte homing/adhesion receptor; hematopoietic cell E- and L-selectin ligand; homing function and Indian blood group system; LHR; MDU2; MDU3; MIC4; CDW44; HUTCH-I; ECMR-III; MGC10468;

**Gene ID** 960

**mRNA Refseq** NM\_000610

**Protein Refseq** NP\_000601

**MIM** 107269

**UniProt ID** P16070

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