

## Recombinant Human CD44 protein, hFc-tagged

**Cat. No.** CD44-421H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD44 protein(AAH04372)(AAH04372), fused with C-terminal hFc tag, was expressed in HEK293.                        |
| <b>Species</b>          | Human                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                             |
| <b>ProteinLength</b>    | Gln 21 - Pro 220                                                                                                                   |
| <b>Tag</b>              | C-hFc                                                                                                                              |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.            |
| <b>Bio-activity</b>     | Immobilized Hyaluronic Acid at 100 µg/mL (100 µL/well) can bind Human CD44 Protein, Fc Tag with a linear range of 0.156-2.5 µg/mL. |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 48.7 kDa.                                                                                       |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                         |
| <b>Purity</b>           | >95% as determined by SDS-PAGE.<br>>90% as determined by SEC-HPLC.                                                                 |
| <b>Storage</b>          | For long term storage, the product should be stored at lyophilized state at -20°C or                                               |

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lower.  
Please avoid repeated freeze-thaw cycles.  
This product is stable after storage at:  
-20°C to -70°C for 12 months in lyophilized state;  
-70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. 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

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**UniProt ID**

P16070

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