# Active Recombinant Human CD44 Protein, Myc/DDK-tagged

**Cat. No.** CD44-001H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant protein of human CD44 molecule (Indian blood group) (CD44), transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T. |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis. |
| **Bio-activity** | ELISA binding assay. |
| **Molecular Mass** | 79.2 kDa |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Stability** | Stable for 12 months from the date of receipt of the product under proper storage and |

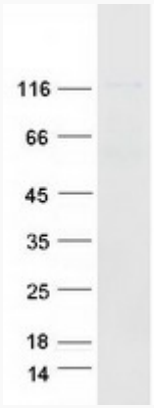
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| | handling conditions. Avoid repeated freeze-thaw cycles. |
| **Storage** | Store at -80 centigrade. |
| **Concentration** | >50 μg/mL as determined by microplate BCA method |
| **Storage Buffer** | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol |

## GENE INFORMATION

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| **Gene Name** | CD44 CD44 molecule (Indian blood group) [ Homo sapiens (human) ] |
| **Official Symbol** | CD44 |
| **Synonyms** | CD44; CD44 molecule (Indian blood group); IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; HCELL; HUTCH-I; ECMR-III; CD44 antigen; GP90 lymphocyte homing/adhesion receptor; Hermes antigen; Indian blood group antigen; cell surface glycoprotein CD44; chondroitin sulfate proteoglycan 8; epican; extracellular matrix receptor III; hematopoietic cell E- and L-selectin ligand; heparan sulfate proteoglycan; homing function and Indian blood group system; hyaluronate receptor; phagocytic glycoprotein 1; soluble CD44 |
| **Gene ID** | 960 |
| **mRNA Refseq** | NM_000610 |
| **Protein Refseq** | NP_000601 |
| **MIM** | 107269 |
| **UniProt ID** | P16070 |

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| **SDS-PAGE** |  |



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