



# Recombinant Human CD44 antigen (CD44), partial

<b>Product Code</b>	CSB-EP004938HU
<b>Relevance</b>	Receptor for hyaluronic acid (HA). Mediates cell-cell and cell-matrix interactions through its affinity for HA, and possibly also through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases (MMPs). Adhesion with HA plays an important role in cell migration, tumor growth and progression. In cancer cells, may play an important role in invadopodia formation. Also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. Altered expression or dysfunction causes numerous pathogenic phenotypes. Great protein heterogeneity due to numerous alternative splicing and post-translational modification events.
<b>Abbreviation</b>	Recombinant Human CD44 protein, partial
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P16070
<b>Alias</b>	CDw44Epican;Extracellular domain matrix receptor III ;ECMR-IIIIGP90 lymphocyte homing/adhesion receptor;HUTCH-IHeparan sulfate proteoglycan;Hermes antigen;Hyaluronate receptor;Phagocytic glycoprotein 1 ;PGP-1;Phagocytic glycoprotein I ;PGP-I; CD44
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	QIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQMEKALSIGF ETCRYGFIEGHVVIPIRIHPNSICAAANTGVYILTSNTSQYDTYCFNASAPPEEDC TSVTDLPNAFDGPITITIVNRDGTRYVQKGEYRTNPEDIYPSNPTDDDVSSEGSS SERSSTSGGYIFYTFSTVHPIPEDEDSPWITDSTDRIPATSTSSNTISAGWEPNEE NEDERDRHLSFSGSGIDDDDEFISSTISTTPRAFDHTKQNQDWTQWNP SHSN PEVLLQTTTRMTDVRNGTTAYEGNWNPEAHPPLIHHEHHEEEETPHSTSTIQ ATPSSTTEETATQKEQWFGNRWHEGYRQTPREDSHSTTGTAASAHTSHPM QGRTPSPEDSSWTDFFNPISHPMGRGHQAGRRMDMDSSHSTTLQPTANPN TGLVEDLDRTGPLSMTTQQSNSQSFSSTHEGLEEDKDHPPTSTLTSSNRNDV TGRRDPNHSEGSTTLLEGYTSHPHTKESRTFIPVTSAKTGSFGVTAVTVGD SNSNVNRSLSGDQDTFHPSGGSHHTHGSESDGSHSGSQEGGANTTSGPIRT PQIPE
<b>Source</b>	E.coli
<b>Target Names</b>	CD44
<b>Expression Region</b>	21-606aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

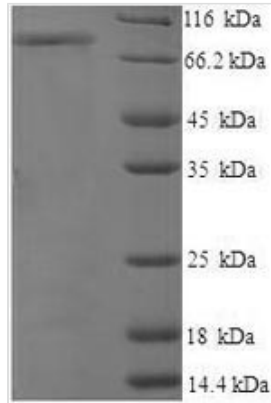


**Tag Info** N-terminal 6xHis-SUMO-tagged

**Mol. Weight** 80.2kDa

**Protein Length** Partial of BC004372

**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.