



Recombinant Human CD44 antigen(CD44),partial

Product Code	CSB-EP004938HU
Relevance	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.
Storage	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.
Uniprot No.	P16070
Storage Buffer	Tris-based buffer,50% glycerol
Alias	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
Product Type	Recombinant Protein
Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	QIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQMEKALSIGF ETCRYGFIEGHVVIPIRIHPNSICAAANTGVYILTSNTSQQYDTYCFNASAPPEEDC TSVTDLPNAFDGPITITIVNRDGTRYVQKGEYRTNPEDIYPSNPTDDDVSSEGSS SERSSTSGGYIFYTFSTVHPIPEDDSPWITDSTDRIPATSTSSNTISAGWEPNEE NEDERDRHLSFSGSGIDDDDEFISSTISTTPRAFDHTKQNQDWTQWNPSHSN PEVLLQTTTRMTDVRNGTTAYEGNWNPEAHPPLIHHEHHEEEETPHSTSTIQ ATPSSTTEETATQKEQWFGNRWHEGYRQTPREDSHSTTGTAASAHTSHPM QGRTPSPEDSSWTDFFPISHPMGRGHQAGRRMDMDSSHSTTLQPTANPN TGLVEDLDRTGPLSMITTQQSNSQSFSSTHEGLEEDKDHPPTSTLTSSNRNDV TGRRDPNHSEGSTTLLEGYTSHPHTKESRTFIPVTSAKTGSFGVTAVTVGD SNSNVNRSLSGDQDTFHPSGGSHHTHGSESDGSHSGSQEGGANTTSGPIRT PQIPE
Source	E.coli
Gene Names	CD44
Expression Region	21-606aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

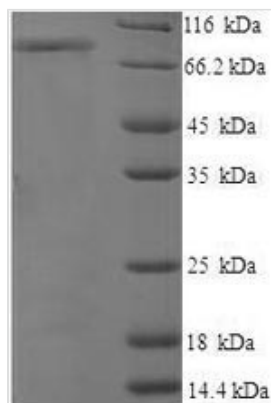


Tag Info N-terminal 6xHis-SUMO-tagged

Mol. Weight 80.2kDa

Protein Description Partial of BC004372

Image



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