

Recombinant Human CD44 Protein (21-606 aa), His-SUMO-tagged

Cat. No. CD44-393H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD44 Protein (21-606 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	21-606 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	80.2 kDa

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AA Sequence	QIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQMEKALSIGFETCR YGFIEGHVVIPRIHPNSICAANNTGVYILTSNTSQYDTYCFNASAPPEEDCTSVTDLPN AFDGPITITIVNRDGTRYVQKGEYRTNPEDIYPSNPTDDDVSSGSSSERSSTSGGYIF YTFSTVHPIPEDSPWITDSTDRIPTSTSSNTISAGWEPNEENEDERDRHLSFSGS GIDDDDEFISSTISTTPRAFDHTKQNQDWTQWNPSHSNPEVLLQTTTRMTDVRNG TTAYEGNWNPEAHPLIHHEHHEEEETPHSTSTIQATPSSTTEETATQKEQWFGNR WHEGYRQTPREDSSHSTTGTAASAHTSHPMQGRTPSPEDSSWTDFNPISHPMG RGHQAGRRMDMDSSHSTTLQPTANPNTGLVEDLDRTGPLSMTTQQSNSQSFSSTSH EGLEEDKDHPTTSTLTSSNRNDVTGGRRDPNHSEGSTTLLEGYTSHYPHTKESRTFI PVTSAKTGSFGVTAVTVGDSNSNVNRSLSGDQDTFHPSGGSHTTHGSESDGSHSG SQEGGANTTSGPIRTPQIPE
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	CD44 CD44 molecule (Indian blood group) [Homo sapiens]
Official Symbol	CD44
Synonyms	CD44; CD44 antigen; CD44R; CSPG8; HCELL; IN; MC56; Pgp1; epican; LHR;

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MDU2; MDU3; MIC4; CDW44; HUTCH-I; ECMR-III; MGC10468;

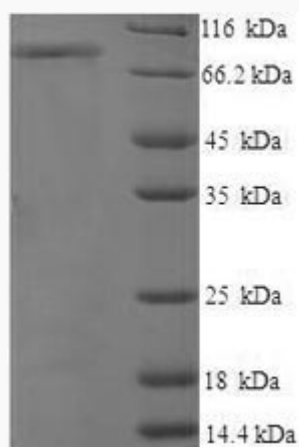
Gene ID 960

mRNA Refseq NM_000610

Protein Refseq NP_000601

MIM 107269

UniProt ID P16070



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

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