

CD44 antigen (CD44) Recombinant Protein | CD44 recombinant protein

Recombinant Human CD44 antigen (CD44), partial

CATALOG # AAA114081	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
-------------------------------	---

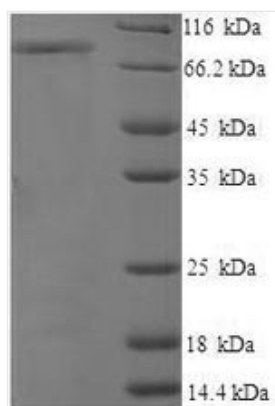
PRODUCT SYNONYMS

CD44 antigen (CD44); Recombinant Human CD44 antigen (CD44); partial; CDw44; Epican; Extracellular matrix receptor III; ECMR-III; GP90 lymphocyte homing/adhesion receptor; HUTCH-I; Heparan sulfate proteoglycan; Hermes antigen; Hyaluronate receptor; Phagocytic glycoprotein 1; PGP-1; Phagocytic glycoprotein I; PGP-I; CD44; CD44 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	21-606aa; Partial of BC004372
Sequence	QIDLNITCRF AGVFHVEKNG RYSISRTEAA DLCKAFNSTL PTMAQMEKAL SIGFETCRYG FIEGHVVIPR IHPNSICAAN NTGVYILTSN TSQYDTYCFN ASAPPEEDCT SVTDLPNAFD GPITITIVNR DGTRYVQKGE YRTNPEDIYP SNPTDDDVSS GSSSERSSTS GGYIFYTFST VHIPDEDESP WITDSTDRIIP ATSTSSNTIS AGWEPNEENE DERDRHLSFS GSGIDDDDEF ISSTISTTPR AFDHTKQNQD WTQWNPSHSN PEVLLQTTTR MTDVDRNGTT AYESNWNPEA HPPLIHHEHH EEEETPHSTS TIQATPSSTT EETATQKEQW FGNRWHEGYR QTPKEDSHST TGTAASAHT SHPMQGRTPP SPEDSSWTFD FNPISHPMGR GHQAGRMDM DSSHSITLQP TANPNTGLVE DLDRTGPLSM TTQQSNSQSF STSHEGLEED KDHPPTSTLT SSNRNDVTGG RRDPNHSEGS TTLLEGYTSH YPHTKESRTF IPVTSKATGS FGVTAFTVGD SNSNVNRSLS GDQDTFHPSG GSHTTHGSES DGSHSGSQEG GANTTSGPIR TPQIPE
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CD44 recombinant protein	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.
Product Categories/Family for CD44 recombinant protein	Immunology
References	A lymphocyte molecule implicated in lymph node homing is a member of the cartilage link protein family.Stamenkovic I., Amiot M., Pesando J.M., Seed B.Cell 56:1057-1062(1989) The multispecific cell adhesion molecule CD44 is represented in reticulocyte cDNA.Harn H.-J., Isola N., Cooper D.L.Biochem. Biophys. Res. Commun. 178:1127-1134(1991) The hematopoietic and epithelial forms of CD44 are distinct polypeptides with different adhesion potentials for hyaluronate-bearing cells.Stamenkovic I., Aruffo A., Amiot M., Seed B.EMBO J. 10:343-348(1991) Molecular cloning of CD44R1 and CD44R2, two novel isoforms of the human CD44 lymphocyte 'homing' receptor expressed by hemopoietic cells.Dougherty G.J., Lansdorp P.M., Cooper D.L., Humphries R.K.J. Exp. Med. 174:1-5(1991) The core protein of epican, a heparan sulfate proteoglycan on keratinocytes, is an alternative form of CD44.Kugelman L.C., Ganguly S., Haggerty J.G., Weissman S.M., Milstone L.M.J. Invest. Dermatol. 99:886-891(1992) Genomic structure of DNA encoding the lymphocyte homing receptor CD44 reveals at least 12 alternatively spliced exons.Screation G.R., Bell M.V., Jackson D.G., Cornelis F.B., Gerth U., Bell J.I.Proc. Natl. Acad. Sci. U.S.A. 89:12160-12164(1992) CD44 a multitude of isoforms with diverse functions.Gunthert U.Curr. Top. Microbiol. Immunol. 184:47-63(1993) Novel variants of CD44 arising from alternative splicing changes in the CD44 alternative splicing pattern of MCF-7 breast carcinoma cells treated with hyaluronidase.Tanabe K.K., Nishi T., Saya H.Mol. Carcinog. 7:212-220(1993) Identification and characterization of CD44RC, a novel alternatively spliced soluble CD44 isoform that can potentiate the hyaluronan binding activity of cell surface CD44.Chiu R.K., Carpenito C., Dougherty S.T., Hayes G.M., Dougherty G.J.Neoplasia 1:446-452(1999) CD44 in normal and neoplastic human cartilage.Bosch P.P., Stevens J.W., Buckwalter J.A., Midura R.J. Sequence analysis of the human CD44 antigen.Wiebe G.J., Freund D., Corbeil D. Sequence analysis of a novel human CD44 variant.Xiang Q., Wang J., Fan C., He X., Huang L., Zhu H., Qiu X., Luo W.Construction of human CD44 eukaryotic vector and its expression in mammary carcinoma cells MCF-7.Fang X., Xu W., Zhang X.The full-ORF clone resource of the German cDNA consortium.Bechtel S., Rosenfelder H., Duda A., Schmidt C.P., Ernst U., Wellenreuther R., Mehrle A., Schuster C., Bahr A., Bloecker H., Heubner D., Hoerlein A., Michel G., Wedler H., Koehrer K., Ottenwaelder B., Poustka A., Wiemann S., Schupp I.BMC Genomics 8:399-399(2007) Human chromosome 11 DNA sequence and analysis including novel gene identification.Taylor T.D., Noguchi H., Totoki Y., Toyoda A., Kuroki Y., Dewar K., Lloyd C., Itoh T., Takeda T., Kim D.-W., She X., Barlow K.F., Bloom T., Bruford E., Chang J.L., Cuomo C.A., Eichler E., FitzGerald M.G., Jaffe D.B., LaButti K., Nicol R., Park H.-S., Seaman C., Sougnez C., Yang X., Zimmer A.R., Zody M.C., Birren B.W., Nusbaum C., Fujiyama A., Hattori M., Rogers J., Lander E.S., Sakaki Y.Nature 440:497-500(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255935
NCBI GeneID	960
NCBI Accession #	NP_000601.3
NCBI GenBank Nucleotide #	NM_000610.3
UniProt Accession #	P16070; O95370; P22511; Q04858; Q13419; Q13957; Q13958; Q13959; A5YRN9; B6EAT9; D3DR12; D3DR13
Molecular Weight	80.2 kDa
NCBI Official Full Name	CD44 antigen isoform 1
NCBI Official Synonym Full Names	CD44 molecule (Indian blood group)
NCBI Official Symbol	CD44
NCBI Official Synonym Symbols	IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; HCELL; HUTCH-I; ECMR-III
NCBI Protein Information	CD44 antigen
UniProt Protein Name	CD44 antigen

UniProt Gene Name	CD44
UniProt Synonym Gene Names	LHR; MDU2; MDU3; MIC4; ECMR-III; PGP-1; PGP-I
UniProt Entry Name	CD44_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cd44-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114081>