

Recombinant Full Length Human CD44 Protein, GST-tagged

Cat. No. CD44-6873HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD44 full-length ORF (NP_001001391.1, 1 a.a. - 361 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ (in vitro).
Species	Human
Source	In Vitro Cell Free System
ProteinLength	361 amino acids
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.
Molecular Mass	65.8 kDa
AA Sequence	MDKFWWWHAAWGLCLVPLSLAQIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAF NSTLPTMAQMEKALSIGFETCRYGFIEGHVVIPRIHPNSICAANNTGVYILTSNTSQYD TYCFNASAPPEEDCTSVTDLPNAFDGPITITIVNRDGTTRYVQKGEYRTNPEDIYPSNP

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TDDDVSSGSSSERSSTSGGYIFYTFSTVHPIPEDSPWITDSTDRI PATRDQDTFHPS
 GGSHTTHGSESDGSHSGSQEGGANTTSGPIRTPQIPEWLILASLLALALILAVCIAVN
 SRRRCGQKKKLVINSGNGAVEDRKPSGLNGEASKSQEMVHLVNKESSETPDQFMT
 ADETRNLQNVD MKIGV

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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_001001391

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Protein Refseq	NP_001001391
MIM	107269
UniProt ID	P16070

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