



# Recombinant Rat CD44 antigen (Cd44), partial

<b>Product Code</b>	CSB-EP004938RA1
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P26051
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>           QQQIDLNIT CRYAGVFHVE KNGRYSISRT EAADLCEAFN TTLPTMAQME            LALRKGFCETC RYGFIEGHVV IPRIHPNAIC AANNTGVYIL LASNTSHYDT            YCFNASAPLE EDCTSVTDLP NSFDGPVTIT IVNRDGTRYSS KKGEYRTHQE            DIDASNIIDE DVSSGSTIEK STPEGYILHT DLPTSQPTGD RDDAFFIGST            LATIATTPWV SAHTKQNQER TQWNPIHSNP EVLLQTTTRM TDIDRNSTSA            HGENWTQEPQ PPFNNHEYQD EEETPHATST TWADPNSTTE            EAATQKEKWF ENEWQGNPP TPSEDSHVTE GTTASAHNNH            PSQRMTTQSQ EDVSWTDFFD PISHPMGQGH QTESKGHSSG            NQDSGVTTTS GPARRPQIPE         </p>
<b>Source</b>	E.coli
<b>Target Names</b>	Cd44
<b>Protein Names</b>	Recommended name: CD44 antigen Alternative name(s): Extracellular matrix receptor III Short name= ECMR-III GP90 lymphocyte homing/adhesion receptor HUTCH-I Hermes antigen Hyaluronate receptor Phagocytic glycoprotein 1
<b>Expression Region</b>	22-410
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Extracellular domain
<b>Target Details</b>	<p>This protein 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.</p>
<b>Reconstitution</b>	<p>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</p>



concentration of glycerol is 50%. Customers could use it as reference.

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### **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.