

Recombinant Rat Cd44 Protein, His-tagged

Cat. No. Cd44-1270R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cd44 Protein (Gln24-Val182) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Gln24-Val182
Description	Enables epidermal growth factor receptor binding activity; phosphoprotein binding activity; and protein kinase binding activity. Involved in several processes, including blood vessel maturation; macrophage fusion; and positive regulation of neutrophil apoptotic process. Located in apical plasma membrane; basolateral plasma membrane; and nucleus. Part of protein-containing complex. Biomarker of borna disease and cholestasis. Human ortholog(s) of this gene implicated in breast carcinoma (multiple); carcinoma (multiple); and prostate cancer. Orthologous to human CD44 (CD44 molecule (Indian blood group)).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.4 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Cd44 CD44 molecule (Indian blood group) [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Cd44
Synonyms	Cd44; CD44 molecule (Indian blood group); CD44 antigen; CD44A; META; RHAMM; Cell surface glycoprotein CD44 (hyaluronate binding protein); ECMR-III; GP90 lymphocyte homing/adhesion receptor; HUTCH-I; PGP-1; PGP-I; extracellular matrix receptor III; hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; phagocytic glycoprotein I
Gene ID	25406
mRNA Refseq	XM_006234631
Protein Refseq	XP_006234693
UniProt ID	P26051

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