

Recombinant Rabbit CD44 Protein, His-tagged

Cat. No. CD44-685R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rabbit CD44 Protein (Gln21-Val178) with His tag was expressed in E. coli.
Species	Rabbit
Source	E.coli
ProteinLength	Gln21-Val178
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.2 kDa; Accurate Molecular Mass: 21 kDa
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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>Oryctolagus cuniculus</i>]
Official Symbol	CD44
Synonyms	CD44; CD44 molecule (Indian blood group);
Gene ID	100301546
mRNA Refseq	XM_008269684
Protein Refseq	XP_008267906
UniProt ID	G1SDW8

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