Recombinant Bovine N-acylglucosamine 2-epimerase (RENBP)

Product Code	CSB-BP646538BO
Abbreviation	RENBP
Storage	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.
Uniprot No.	Q2KIS1
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	>85% (SDS-PAGE)
Sequence	MSRGLRVWQD MEKEQETLRA WKDRVARELD RVVAFWLDHS HDQEQGGFFT CLGRDGQVYD DLKYVWLQGR QVWMYCRLYR QFERFRRPEL LNAAKAGGEF LLRYAQVAPP AKKCAFVLTR DGRPVKVQRT IFSECFYTMA MNELWRVTGD ARYQNEAMEM MDQIVSWVRE DPSGLGRPQL PGAPASESMA VPMMLLNLVE QLGEADEELA GISAELGDWC AQRILQHVQR GGQAVLENVS EDGEELSGCL GRHQNPGHAL EAGWFLLRYA IQRGDAKLRA HVIDKFLLLP FHSGWDPEHG GLFYFQDADG LCPTQLEWAM KLWWPHSEAM IAFLMGYSET GDPALLRIFY QVAEYTFHRF RDPEYGEWFG YLNRDGKVAL TIKGGPFKGC FHVPRCLAMC EEMLNNLLSR LAPASALSTR SPPAGPTRPG AE
Source	Baculovirus
Target Names	RENBP
Protein Names	Recommended name: N-acylglucosamine 2-epimerase Short name= AGE EC= 5.1.3.8 Alternative name(s): GlcNAc 2-epimerase N-acetyl-D-glucosamine 2-epimerase Renin-binding protein Short name= RnBP
Expression Region	1-432
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	The gene product inhibits renin activity by forming a dimer with renin, a complex known as high molecular weight renin. The encoded protein contains a leucine zipper domain, which is essential for its dimerization with renin. The gene product can catalyze the interconversion of N-acetylglucosamine to N-acetylmannosamine, indicating that it is a GlcNAc 2-epimerase. Transcript variants utilizing alternative promoters have been described in the literature.

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