

Recombinant Human RENBP protein, His & T7-tagged

Cat. No. RENBP-8050H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human RENBP aa. (Met1~Gln254 (Accession # P51606)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Gln254
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.5.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	RENBP renin binding protein [Homo sapiens (human)]
Official Symbol	RENBP
Synonyms	RBP; RNBP; AGE; GlcNAc 2-epimerase; N-acetyl-D-glucosamine 2-epimerase; N-acetylglucosamine 2-epimerase
Gene ID	5973
mRNA Refseq	NM_002910.5
Protein Refseq	NP_002901.2

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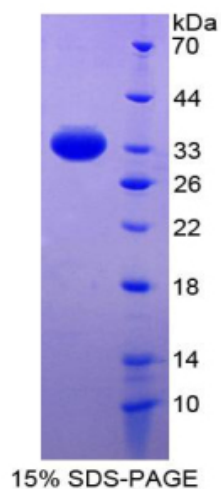
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UniProt ID

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SDS-PAGE

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