

Recombinant Human RENBP

Cat. No. RENBP-30477TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 311-410 of Human RENBP with an N terminal proprietary tag; Predicted MWt 36.63 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
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.
Molecular Weight	36.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids FCPTQLEWAMKLWWPHSEAMIAFLMGYSDSGDPVLLRLFYQVAEYTRQFRDPEY
GEWFGYLSREGKVALSIKGGPFKGC FHVPRCLAMCEEMLGALLSR

Sequence Similarities Belongs to the N-acylglucosamine 2-epimerase family.

GENE INFORMATION

Gene Name RENBP renin binding protein [Homo sapiens]

Official Symbol RENBP

Synonyms RENBP; renin binding protein; N-acylglucosamine 2-epimerase; GlcNAc 2 epimerase; N acetyl D glucosamine 2 epimerase; N acylglucosamine 2 epimerase; RBP; RNBP;

Gene ID 5973

mRNA Refseq NM_002910

Protein Refseq NP_002901

MIM 312420

Uniprot ID P51606

Chromosome Location X

Pathway Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem;

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Function

ATP binding; N-acylglucosamine 2-epimerase activity; endopeptidase inhibitor activity; enzyme inhibitor activity; isomerase activity;

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