

Datasheet for ABIN7551373
RENBP Protein (AA 1-427) (His tag)



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Overview

Quantity:	1 mg
Target:	RENBP
Protein Characteristics:	AA 1-427
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RENBP protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat RENBP Protein expressed in mammalian cells.
Sequence:	<p>MSKGLPARQD MEKERETLQA WKERVGQELD RVVAFWMEHS HDQEHGGFFT CLGREGRVYD DLKYVWLQGR QVWMYCRLYR TFERFRHAQL LDKAGAGGEF LLRYARVAPP GKKCAFVLTR DGRPVKVQRT IFSECFYTMA MNELWRATGE VRYQTEAVEM MDQIVHWVQE DASGLGRPQL QGAPAAEPMA VPMMLLNLE QLGEADEELA GKYAELGDWC ARRILQHVQR DGQAVLENVS EGGKELPGCL GRQQNPGHTL EAGWFLLRHC IRKGDPELRA HVIDKFLLLP FHSGWDPDHG GLFYFQDADN FCPTQLEWAM KLWWPHSEAM IAFLMGYSDS GDPVLLRLFY QVAEYTFRQF RDPEYGEWFG YLSREGKVAL SIKGGPFKGC FHVPRCLAMC EEMLGALLSR PAPAPSPAPT PACRGAE Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: RENBP

Alternative Name: RENBP ([RENPB Products](#))

Background: N-acetylglucosamine 2-epimerase (AGE) (EC 5.1.3.8) (GlcNAc 2-epimerase) (N-acetyl-D-glucosamine 2-epimerase) (Renin-binding protein) (RnBP), FUNCTION: Catalyzes the interconversion of N-acetylglucosamine to N-acetylmannosamine (PubMed:9990133, PubMed:10502668, PubMed:12499362). Involved in the N-glycolylneuraminic acid (Neu5Gc) degradation pathway: although human is not able to catalyze formation of Neu5Gc due to the inactive CMAHP enzyme, Neu5Gc is present in food and must be degraded (PubMed:9990133). {ECO:0000269|PubMed:10502668, ECO:0000269|PubMed:12499362, ECO:0000269|PubMed:9990133}.

Molecular Weight: 48.8 kDa

UniProt: [P51606](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies

Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months