

Datasheet for ABIN7549827

CTD Nuclear Envelope Phosphatase 1 Regulatory Subunit 1 (CNEP1R1) (AA 1-125) protein (His tag)



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Overview

Quantity:	1 mg
Target:	CTD Nuclear Envelope Phosphatase 1 Regulatory Subunit 1 (CNEP1R1)
Protein Characteristics:	AA 1-125
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant CNEP1R1 Protein expressed in mammalian cells.
Sequence:	MNSLEQAEDL KAFERRLTEY IHCLQPATGR WRMLLIVVSV CTATGAWNWL IDPETQKVSF FTSLWNHPFF TISCITLIGL FFAGIHKRVV APSIIAACR TVLAEYNMSC DDTGKLILKP RPHVQ 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• 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.

Product Details

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CTD Nuclear Envelope Phosphatase 1 Regulatory Subunit 1 (CNEP1R1)
Alternative Name:	CNEP1R1 (CNEP1R1 Products)
Background:	Nuclear envelope phosphatase-regulatory subunit 1 (NEP1-R1) (Transmembrane protein 188),FUNCTION: Forms with the serine/threonine protein phosphatase CTDNEP1 an active complex which dephosphorylates and may activate LPIN1 and LPIN2. LPIN1 and LPIN2 are phosphatidate phosphatases that catalyze the conversion of phosphatidic acid to diacylglycerol and control the metabolism of fatty acids at different levels. May indirectly modulate the lipid composition of nuclear and/or endoplasmic reticulum membranes and be required for proper nuclear membrane morphology and/or dynamics. May also indirectly regulate the production of lipid droplets and triacylglycerol. {ECO:0000269 PubMed:22134922}.
Molecular Weight:	14.3 kDa
UniProt:	Q8N9A8

Application Details

Application Notes:	We expect the protein to work for functional studies. 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