

Datasheet for ABIN7561094

PMEPA1 Protein (AA 1-260) (His tag)



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Overview

Quantity:	1 mg
Target:	PMEPA1
Protein Characteristics:	AA 1-260
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PMEPA1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pmepa1 Protein expressed in mammalien cells.
Sequence:	<p>MSPARATAQR SLFPSMEITE LEFVQIVVIV VMMVMVMMI TCLLSHYKLS ARSFISRHSQ</p> <p>ARRRDDGLSS EGCLWPSEST VSGGMPEPQV YAPPRPTDRL AVPPFIQSRF FQPTYPYLQH</p> <p>EIALPPTISL SDGEEPPPYQ GPCTLQLRDP EQQLELNRES VRAPPNRTIF DSDLIDSTML</p> <p>GGPCPPSSNS GISATCYSSG GRMEGPPPTY SEVIGHYPGS SFQHQQSNGP SSLEGLTRLH</p> <p>HSHIAPLENK EKEKQKGHPL 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:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and

Product Details

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: PMEPA1

Alternative Name: Pmepa1 ([PMEPA1 Products](#))

Background: Protein TMEPAI (NEDD4 WW domain-binding protein 4) (Prostate transmembrane protein androgen induced 1) (Transmembrane prostate androgen-induced protein),FUNCTION: Functions as a negative regulator of TGF-beta signaling and thereby probably plays a role in cell proliferation, differentiation, apoptosis, motility, extracellular matrix production and immunosuppression. In the canonical TGF-beta pathway, ZFYVE9/SARA recruits the intracellular signal transducer and transcriptional modulators SMAD2 and SMAD3 to the TGF-beta receptor. Phosphorylated by the receptor, SMAD2 and SMAD3 then form a heteromeric complex with SMAD4 that translocates to the nucleus to regulate transcription. Through interaction with SMAD2 and SMAD3, LDLRAD4 may compete with ZFYVE9 and SMAD4 and prevent propagation of the intracellular signal (PubMed:20129061). Also involved in down-regulation of the androgen receptor (AR), enhancing ubiquitination and proteasome-mediated degradation of AR, probably by recruiting NEDD4. {ECO:0000269|PubMed:20129061}.

Molecular Weight: 28.7 kDa

UniProt: [Q9D7R2](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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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