

Datasheet for ABIN7555043

PMEPA1 Protein (AA 1-287) (His tag)



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Overview

Quantity:	1 mg
Target:	PMEPA1
Protein Characteristics:	AA 1-287
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PMEPA1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PMEPA1 Protein expressed in mammalian cells.
Sequence:	<p>MHRLMGVNST AAAAAGQPNV SCTCNCKRSL FQSMEITELE FVQIIIVVV MMVMVVVITC LLSHYKLSAR SFISRHSQGR RREDALSSEG CLWPSESTVS NGIPEPQVY APPRPTDRLA VPPFAQRERF HRFQPTYPYL QHEIDLPTI SLSDGEEPPP YQGPCTLQLR DPEQQLELNR ESVRAPPNRT IFDSLMDSA RLGGPCPPSS NSGISATCYG SGGRMEGPPP TYSEVIGHYP GSSFQHQSS GPPSLLEGTR LHHTHIAPLE SAAIWSKEKD KQKGHPL Sequence without tag.</p> <p>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>
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:

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

Target Details

Target:	PMEPA1
Alternative Name:	PMEPA1 (PMEPA1 Products)
Background:	<p>Protein TMEPAI (Prostate transmembrane protein androgen induced 1) (Solid tumor-associated 1 protein) (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, PubMed:24627487). Also involved in down-regulation of the androgen receptor (AR), enhancing ubiquitination and proteasome-mediated degradation of AR, probably by recruiting NEDD4 (PubMed:18703514). {ECO:0000269 PubMed:18703514, ECO:0000269 PubMed:20129061, ECO:0000269 PubMed:24627487}.</p>

Target Details

Molecular Weight:	31.6 kDa
UniProt:	Q969W9
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway

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