Datasheet for ABIN7565146

TP53INP1 Protein (AA 1-239) (His tag)

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Overview

Quantity:	1 mg
Target:	TP53INP1
Protein Characteristics:	AA 1-239
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TP53INP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Trp53inp1 Protein expressed in mammalian cells.
Sequence:	MFQRLNKMFV GEVTTSSSQE PEFSEKEDDE WILVDFIDTC PGFSAEEEEE DEDIGEESSA EHTSVFSCLP ASLECLTDTS DSCFLQFESC PMEESWFITP PPCFTAGGLT TIKVETSPME NLLIEHPSMS VYAVHNSCPG LSEASCGNDE YNSSGPRMEA QSEMGKHIHC CVAALAAQAT FLEQPKSFRP SQWIKGHSER QSLNRNGLRR QNLTRDCHTR QMKHSGWVVH QPCPRQYNY **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: • Made to order protein - from design to production - by highly experienced protein experts.

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Product Details

	• 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:	TP53INP1
Alternative Name:	Trp53inp1 (TP53INP1 Products)
Background:	Tumor protein p53-inducible nuclear protein 1 (Stress-induced protein) (Thymus-expressed acidic protein) (TEAP) (p53-dependent damage-inducible nuclear protein 1) (p53DINP1),FUNCTION: Antiproliferative and proapoptotic protein involved in cell stress response which acts as a dual regulator of transcription and autophagy. Acts as a positive regulator of autophagy. In response to cellular stress or activation of autophagy, relocates to autophagosomes where it interacts with autophagosome-associated proteins GABARAP, GABARAPL1/L2, MAP1LC3A/B/C and regulates autophagy. Acts as an antioxidant and plays a major role in p53/TP53-driven oxidative stress response. Possesses both a p53/TP53-independent intracellular reactive oxygen species (ROS) regulatory function and a p53/TP53-dependent transcription regulatory function. Positively regulates p53/TP53 and p73/TP73 and stimulates their capacity to induce apoptosis and regulate cell cycle. In response to double-strand DNA breaks, promotes p53/TP53 phosphorylation on 'Ser-46' and subsequent apoptosis. Acts as a tumor suppressor by inducing cell death by an autophagy and caspase-dependent mechanism. Can reduce cell migration by regulating the expression of SPARC. {ECO:0000269|PubMed:11557757, ECO:0000269|PubMed:16044147,

Target Details

	ECO:0000269|PubMed:19118006, ECO:0000269|PubMed:21339733}.
Molecular Weight:	26.9 kDa
UniProt:	Q9QXE4

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

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