

Datasheet for ABIN7550714
PIH1D1 Protein (AA 1-290) (His tag)



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Overview

Quantity:	1 mg
Target:	PIH1D1
Protein Characteristics:	AA 1-290
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PIH1D1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PIH1D1 Protein expressed in mammalian cells.
Sequence:	MANPKLLGMG LSEAEIAGAD SARFEELLQ ASKELQQAQT TRPESTQIQP QPGFCIKTNS SEGKVFINIC HSPSIPPPAD VTEEELLQML EEDQAGFRIP MSLGEPHAEL DAKGQGCTAY DVAVNSDFYR RMQNSDFLRE LVITIAAREGL EDKYNLQLNP EWRMMKNRPF MGSISQQNIR SEQRPRIQEL GDLYTPAPGR AESGPEKPHL NLWLEAPDLL LAEVDLPKLD GALGLSLEIG ENRLVMGGPQ QLYHLDAYIP LQINSHESKA AFHRKRKQLM VAMPLLVPVS 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.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

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, Western Blot
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Grade:	custom-made
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Target Details

Target:	PIH1D1
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Alternative Name:	PIH1D1 (PIH1D1 Products)
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Background:	PIH1 domain-containing protein 1 (Nucleolar protein 17 homolog),FUNCTION: Involved in the assembly of C/D box small nucleolar ribonucleoprotein (snoRNP) particles (PubMed:17636026). Recruits the SWI/SNF complex to the core promoter of rRNA genes and enhances pre-rRNA transcription (PubMed:22368283, PubMed:24036451). Mediates interaction of TEO2 with the R2TP complex which is necessary for the stability of MTOR and SMG1 (PubMed:20864032). Positively regulates the assembly and activity of the mTORC1 complex (PubMed:24036451). {ECO:0000269 PubMed:17636026, ECO:0000269 PubMed:20864032, ECO:0000269 PubMed:22368283, ECO:0000269 PubMed:24036451}.
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Molecular Weight:	32.4 kDa
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UniProt:	Q9NWS0
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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
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Application Details

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