

Datasheet for ABIN7554587
MPHOSPH9 Protein (AA 1-1183) (His tag)



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Overview

Quantity:	1 mg
Target:	MPHOSPH9
Protein Characteristics:	AA 1-1183
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MPHOSPH9 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MPHOSPH9 Protein expressed in mammalian cells.
Sequence:	<p>MEEFDLVKTL HKTSSSVGSD ENSLHSLGLN LNTDRSSPHL STNGVSSFSG KTRPSVIQGT VEVLTSLMQE LQNSGKTDSE LWKNCETRWL QLFNLVEKQC QEQIVAQQEQ FHNQIQHIQE EIKNLVKLQT SSASLASCEG NSSNKQVSSE SQMGFFSLSS ERNESVIHYP ESTEPEIQQE MSTSQPDCNV DSCSVSSGYG TFCISELNLY KSKDPKEFME HIDVPKGQYV APAVPAESLV DGVKNENFYI QTPEECHVSL KEDVSISPGE FEHNFLGENK VSEVYSGKTN SNAITSWAQK LKQNQPKRAH VEDGGSRSKQ GNEQSKKTP I EKSDFAAATH PRAFYLKSPD ETPNAWMSDS GTGLTYWKLE EKDMHHSLEPE TLEKTFISLS STDVSPNQSN TSNEMKLPSL KDIYYKKQRE NKQLPERNLT SASPNHPPE VLTLDPTLHM KPKQQISGIQ PHGLPNALDD RISFSPDSVL EPSMSSPSDI DSFSQASNVT SQLPGFPKYP SHTKASPVDS WKNQTFQNES RTSSTFPVSVY TITSNDISVN TVDEENTVMV ASASVSQSQL PGTANSVPEC ISLTSLEDPV ILSKIRQNLK EKHARHIADL RAYYESEINS LKQKLEAKEI SGVEDWKITN QILVDRCGQL DSALHEATSR VRTLENKNNL LEIEVNDLRE RFSAASSASK ILQERIEEMR TSSKEKDNTI IRLKSRLQDL</p>

Product Details

EEAFENAYKL SDDKEAQLKQ ENKMFQDLLG EYESLGKEHR RVKDALNTTE NKLLDAYTQI
SDLKRMISKL EAQVKQVEHE NMLSLRHNSR IHVRPSRANT LATSDVSRRK WLIPGAEYSI
FTGQPLDTQD SNVDNQLLEET CSLGHRSPLE KDSSPGSSST SLLIKKQRET SDTPIMRALK
ELDEGKIFKN WGTQTEKEDT SNINPRQTET SVNASRSPEK CAQQRQKRLN SASQRSSSLP
PSNRKSSTPT KREIMLTPVT VAYSPKRSPK ENLSPGFSHL LSKNESSPIR FDILLDDLDT
VPVSTLQRTN PRKQLQFLPL DDSEEKTYSE KATDNHVNHS SCPEPVPNGV KKVSVRTAWE
KNKSVSYEQC KPVSVTPOGN DFEYTAKIRT LAETERFFDE LTKEKDQIEA ALSRMPSGG
RITLQTRLNQ EALDRLERI NRELGSVRMT LKKFHVLRYS ANL **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.
- 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: MPHOSPH9

Alternative Name: MPHOSPH9 ([MPHOSPH9 Products](#))

Target Details

Background: M-phase phosphoprotein 9,FUNCTION: Negatively regulates cilia formation by recruiting the CP110-CEP97 complex (a negative regulator of ciliogenesis) at the distal end of the mother centriole in ciliary cells (PubMed:30375385). At the beginning of cilia formation, MPHOSPH9 undergoes TTBK2-mediated phosphorylation and degradation via the ubiquitin-proteasome system and removes itself and the CP110-CEP97 complex from the distal end of the mother centriole, which subsequently promotes cilia formation (PubMed:30375385). {ECO:0000269|PubMed:30375385}.

Molecular Weight: 133.0 kDa

UniProt: [Q99550](#)

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
