

Datasheet for ABIN7551082

PTCHD4 Protein (AA 1-846) (His tag)



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Overview

Quantity:	1 mg
Target:	PTCHD4
Protein Characteristics:	AA 1-846
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTCHD4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PTCHD4 Protein expressed in mammalian cells.
Sequence:	<p>MCFLRRPGAP ASWIWWRMLR QVLRRGLQSF CHRLGLCVSR HPVFFLTVPA VLTITFGLSA</p> <p>LNRFQPEGDL ERLVAPSHSL AKIERSLASS LFPLDQSKSQ LYSDLHTPGR YGRVILLSPT</p> <p>GDNILLQAEG ILQTHRAVLE MKDGRNSFIG HQLGGVVEVP NSKDQRVKSA RAIQITYYLQ</p> <p>TYGSATQDLI GEKWENEFCK LIRKLQEEHQ ELQLYSLASF SLWRDFHKTS ILARSKVLVS</p> <p>LVLILTTATL SSSMKDCLRS KPFLGLLGVL TVCISIITAA GIFFITDGKY NSTLLGIPFF</p> <p>AMGHGTKGVF ELLSGWRRTK ENLPFKDRIA DAYSVMVMTY TMTSSLYFIT FGMGASPFTN</p> <p>IEAVKVFCQN MCVSILLNYF YIFSFFGSCL VFAGQLEQNR YHSIFCKIP SAEYLDRKPV</p> <p>WFQTVMSDGH QQTSHHETNP YQHFIQHFL REHYNEWITN IYVKPFVVIL YLIYASF SFM</p> <p>GCLQISDGAN IINLLASDSP SVSYAMVQQK YFSNYSPIG FYVYEPLYW NSSVQDDLRR</p> <p>LCSGFTAVSW VEQYYQFLKV SNVSANNKSD FISVLQSSFL KKPEFQHFRN DIIFSKAGDE</p> <p>SNIIASRLYL VARTSRDKQK EITEVLEKLR PLSLSKSIRF IVFNPSFVFM DHYLSVTVTP</p>

Product Details

VLIAGFGVLL VLILTFFLVI HPLGNFWLIL SVTSIELGVL GLMTLWNVDM DCISILCLIIY TLNFAIDHCA
PLLFTFVLAT EHTRTQCIKS SLQDHGTAIL QNVTSFLIGL VPLLFPVPSNL TFTLFKCLLL
TGGCTLLHCF VILPVFLTFF PPSKKHHKKK KRAKRKERE IECIEIQENP DHVTTV **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:	<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 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	PTCHD4
Alternative Name:	PTCHD4 (PTCHD4 Products)
Background:	Patched domain-containing protein 4 (p53-regulated patched protein),FUNCTION: Could act as a repressor of canonical hedgehog signaling by antagonizing the effects of SMO, as suggested by down-regulation of hedgehog target genes, including GLI1, PTCH1, and PTCH2 in PTCHD4-expressing cells. {ECO:0000269 PubMed:25296753}.
Molecular Weight:	96.4 kDa
UniProt:	Q6ZW05

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