

Datasheet for ABIN7562078

PTCHD4 Protein (AA 1-904) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PTCHD4
Protein Characteristics:	AA 1-904
Origin:	Mouse
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:	MCFLRRPGAP ASWIWWRMLR QVLRRGLQSF CHRLGLCVSR HPVFFLTVPA VLTITFGLSA LNRFTQEGDL ERLVAPSHSL AKIERSLASS LFPLDQSKSQ LYSDLHTPGR YGRVILLSSP GDNILLQAEG ILQTHRAVME MKVNHKGYN YTFSHLCVLRN QDKKCVLDDI ISVLEDLRQA AVSNKTTARV QVRYPN TKLK DGRNSFIGHQ LGGVVEVPNS KDQRVKSARA IQITYYLQTY GSATQDLIGE KWENEFCKLM RKLQEEHQDL QLYSLASFSL WRDFHKTSIL TRSKVLVSLV LILTTATLSS SMKDC LRSKP FLG LLGLVLT V CISIATAAGI FFITDGKYNS TLLGIPFFAM GHGTKGVFEL LSGWRRTKEN LPFKDRVADA YSDVMV TYTM TSSLYFITFG MGASPFTNIE AVKIFCQNM C VSILLNYFYI FSFFGSCLVF AGQLEQNRYH SIFCCKIPSA EYLDRKPVWF QTVMSDGHQQ TSHHETNPYQ HHFIQHFLRE HYNEWITNIY VKPFVVILYL IYASF SFGMGC LQISDGASII NLLASDSPSV SYAMVQQKYF SNYSPVIGFY VYEPLYWNS SVQEDLQRLC SGFTAVSWVE QYYQFLKTSN ISANNKTDFI SVLQSSFLKK PEFQHFRNDI IFSRAGDENN

IIASRLYLVA RTSRDKQKEV IEVLDKLRPL SLSKSIRFIV FNPSFVFTDH YSLSVTPVL IAGFGVLLVL
ILTFFLVIHP LGNFWLILSV TSIELGVLGL MTLWNVDMDC ISILCLIYTL NFAIDHCAPL
LYTFVLATEH TRTQCIKSSL QEHGTAQLQN ITSFLIGLLP LLFVPSNLTF TLFKCLLLTG
GCTLLHCFVI LPVFLTFFPP SKKHHKKKKR AKRKEREIE CIEIQENPDH VTTV **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:

- 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, Western Blot

Grade:

custom-made

Target Details

Target:

PTCHD4

Alternative Name:

Ptchd4 ([PTCHD4 Products](#))

Background:

Patched domain-containing protein 4,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:0000250|UniProtKB:Q6ZW05}.

Molecular Weight:

103.1 kDa

Target Details

UniProt: [B9EKX1](#)

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.

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