

Datasheet for ABIN7561986

PTCHD2 Protein (AA 1-1347) (His tag)



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Overview

Quantity:	1 mg
Target:	PTCHD2
Protein Characteristics:	AA 1-1347
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTCHD2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Disp3 Protein expressed in mammalian cells.
Sequence:	MDSEDDPLLQ DVWLEEEQPE DEACRGIPGP GLQSGAQGCW RRWTLPSRPP TLGFWSTLGW AFTNPCCAGL VLFLGCSIPM VLSAFMFLYY PPLDIDISYN AFEIRNHEAS QRFDALALAL KSQFGSWGRRN RRDADFTSE TLQRLISEQL QQLHLGNHSR PASRAPRSAP RDTVATQ TSA ANSSERRRRE APSPEGQVTN QSRARRGASR WDYSRTYVSA NTQTHAHWRI ELIFLARGDA ERNIFTSERL VTIHEIERKI MDHPGFREFC WKPHEVLKDL PLGSYSYCSP PSSLMTYFFP TERGGKIYYD GMGQDLADIR GSLELAMTHP EFYWYVDEGL SVDNLKSSLL RSEILFGAPL PNYYSVDDRWE EQRAKFQSF VVTYVAMLAK QSTSKVQVLY GGTDLFDYEV RRTFNNDMLL AFISSSCIAA LVYILTSCSV FLSFFGIASI GLSCLVALFL YHVVFGIQYL GILNGVAAFV IVGIGVDDVF VFINTYRQAT HLEDPQLRMI HTIQTAGKAT FFTSLTTAAA YAANVFSQIP AVHDFGLFMS LIVTCCWLAV LFTMPAALGL WSLYMAPLES SCQNSCHQKC GRKSSLHFPG DLFTAPERAG GGPAQGPLY LDDDIPLINV EDEPASLELG DVSLVSVHCE GLQPTPDANS RGQLLAQLQE

LLHHWVLWAA VKSRWVIVGL FASILISLV FASRLRPASR APLLFRPDTN IQVLLDLKYN
LSAEGISCIT CSGLFQEKPH SLQNNVRTSL EKKKRGSGVS WASRTETTAQ ESMSTVYISK
VKSKGHPAVY RLSLNASLPA PWQAVSPGDG EVPSFQVYRA PFGDFTKKLT ACMSTVGLLQ
AASPSRKWMV TALACDARRG WKFDFFSYVA TKEQQHTRKL YFAQSHKPPF HGRLCVAPPG
CLLSSSPDGP TKGFFYVPSD KVPKARISAT FGFNPCVNTG CGKPAVRPLV DTGAMVFVVF
GIIGLNRTQQ MDNHVIGDPG SVIYDSSFDL FKEIGHLCLRL CKAAGNSEL VKPGGAQCLP
SGYSSSFLQ MLHPECKELP EPNLLPGQLS HGAVGVKEGR VQWISMAFES TTYKGKSSFQ
TYS DYLRWES FLRQQLQTFP EGSALHRGFQ TCEHWKQIFM EIIGVQSALY GLVLSLLICV
AAVAVFTTHV LLLLPLVLSI LGIVCLVVTI MYWSGWEMGA VEAISLSILV GSSVDYCVHL
VEGYLLAGEN LPPQLSQDPS SQRQWRTLEA VRHVGVAIVS SALTTVIATV PLFFCIAPF
AKFGKIVALN TGVSILYTLT VSTALLGIMA PGSFTRTRTS FLKALGAVLL AGALGLGACL
VLLRSGYKIP LPSGATL

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:

PTCHD2

Target Details

Alternative Name:	Disp3 (PTCHD2 Products)
Background:	Protein dispatched homolog 3 (Patched domain-containing protein 2) (RND-type protein RNDEu-2),FUNCTION: Plays a role in neuronal proliferation and differentiation. Plays a role in the accumulation of cellular cholesterol. Involved in intracellular lipid droplet formation. May contribute to cholesterol homeostasis in neuronal cells. {ECO:0000250 UniProtKB:B9U3F2, ECO:0000250 UniProtKB:Q9P2K9}.
Molecular Weight:	148.4 kDa
UniProt:	A3KFU9

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