

Datasheet for ABIN7553668

PTCHD2 Protein (AA 1-1392) (His tag)



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Overview

Quantity:	1 mg
Target:	PTCHD2
Protein Characteristics:	AA 1-1392
Origin:	Human
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:	<p>MDTEDDPLLQ DWLLEEEQEE EEATGETFLG AQKPGPQPGA GGQCCWRHWP LASRPPASGF</p> <p>WSTLGWAFTN PCCAGLVFL GCSIPMALSA FMFLYYPPLD IDISYNAFEI RNHEASQRFD</p> <p>ALTALKSQF GSWGRNRRDL ADFTSETLQR LISEQLQLH LGNRSRQASR APRVIPAASL</p> <p>GGPGPYRDTs AAQKPTANRS GRLRRETPL EDLAANQSED PRNQRLSKNG RYQPSIPPHA</p> <p>AVAANQSRAR RGASRWDYSR AYVSANTQTH AHWRIELIFL ARGDAERNIF TSERLVTIHE</p> <p>IERKIMDHPG FREFCWKPH VLKDLPLGSY SYCSPSSLM TYFFPTERGG KIYYDGMGQD</p> <p>LADIRGSLEL AMTHPEFYWY VDEGLSADNL KSSLLRSEIL FGAPLPNYYS VDDRWEQRA</p> <p>KFQSFVVTYV AMLAKQSTSK VQVLYGGTDL FDYEVRRTFN NDMLLAFISS SCIAALVYIL</p> <p>TSCSVFLSFF GIASIGLSCL VALFLYHVVF GIQYLGLNG VAAFVIVGIG VDDVFVINT</p> <p>YRQATHLEDP QLRMIHTVQT AGKATFFTSL TTAAAYAANV FSQIPAVHDF GLFMSLIVSC</p> <p>CWLAVLVTMP AALGLWSLYL APLESSCQTS CHQNCSRKTS LHFPGDVFAA PEQVGGSPAQ</p>

GPIPYLDDDI PLLEVEEPEV SLELGDVSLV SVSPEGLQPA SNTGSRGHLI VQLQELLHHW
VLWSAVKSRW VIVGLFVSIL ILSLVFASRL RPASRAPLLF RPDNTIQVLL DLKYNLSAEG
ISCITCSGLF QEKPHSLQNN IRTSLEKKRR GSGVPWASRP EATLQDFPGT VYISKVKSQG
HPAVYRLSLN ASLPAPWQAV SPGDGEVPSF QVYRAPFGNF TKKLTACMST VGLLQAASPS
RKWMLTTLAC DAKRGWKFD FSYVATKEQQ HTRKLYFAQS HKPPFHGRVC MAPPGCLLSS
SPDGPTKGFF FVPSEKVPKA RLSATFGFNP CVNTGCGKPA VRPLVDTGAM VFVVFIIIGV
NRTRQVDNHV IGDPGSVVYD SSFDLFKEIG HLCHLCKAIA ANSELVKPGG AQCLPSGYSI
SSFLQMLHPE CKELPEPNLL PGQLSHGAVG VREGRVQWIS MAFESTTYKG KSSFQTYSDY
LRWESFLQQQ LQALPEGSVL RRGFQTCEHW KQIFMEIVGV QSALCGLVLS LLICVAHAV
FTTHILLLLP VLLSILGIVC LVVTIMYWSG WEMGAVEAIS LSILVGSSVD YCVHLVEGYL
LAGENLPPHQ AEDARTQRQW RTLEAVRHVG VAIVSSALTT VIATVPLFFC IAPFAKFGK
IVALNTGVSI LYTLTVSTAL LGIMAPSSFT RTRTSFLKAL GAVLLAGALG LGACLVLQSS
GYKIPLPAGA SL

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),FUNCTION: Plays a role in neuronal proliferation and differentiation (PubMed:25281927). Plays a role in the accumulation of cellular cholesterol (By similarity). Involved in intracellular lipid droplet formation (PubMed:25281927). May contribute to cholesterol homeostasis in neuronal cells (By similarity). {ECO:0000250 UniProtKB:B9U3F2, ECO:0000269 PubMed:25281927}.
Molecular Weight:	153.0 kDa
UniProt:	Q9P2K9

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