

Datasheet for ABIN7563637

PTCHD1 Protein (AA 1-888) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PTCHD1
Protein Characteristics:	AA 1-888
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTCHD1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ptchd1 Protein expressed in mammalien cells.
Sequence:	<p>MLRQVLHRGL RTCFSRLGHF IASHPVFFAS APVLISILLG ASFSRYQVEE SVEHLLAPQH</p> <p>SLAKIERNLV NSLFPVNRSK HRLYSDLQTP GRYGRVIVTS YQKANMLDQH HTDLILKLHT</p> <p>AVTKIQVPRP GFNYTFAHIC VLNNDKTCIV DDIVHVLEEL KNARATNRTN FAITYPITHL</p> <p>KDGRAVYNGH QLGGVTVHSH DRVKSAAEIQ LTYYLQSINS LNDMVAERWE SSFCDTVKLF</p> <p>QKSNSKVKIY PYTSSSLRED FQKTSRVSER YLVTSLILVV TMAILCCSMQ DCVRSKPWLG</p> <p>LLGLVTISLA TLTAAGIINL TGGKYNSTFL GVPFVMLGHG LYGTFFEMLS WRKTREDQHV</p> <p>KERTAENVYAD SMLSFSLT TA MYLVTFGIGA SPFTNIEAAR IFCCNSCIAI LFNYLYVLSF</p> <p>YGSSLVFTGY IENNYQHSIF CRKVPKPDVL QEKPAWYRFL LTARFSEETA EGEEANTYES</p> <p>HLLVCFLKRY YCDWITNTYV KPFVVLFYLI YISFALMGYL QVSEGSLSN IVATATQTIE</p> <p>YTTAHQKYFN NYSPVIGFYI YESIEYWNSS VQEDVLEYTK GFVRISWFES YLNYLRKLVN</p> <p>STDLPKKNFT DMLRNSFLKT PQFSHFQEDI IFSKKYNDEV DVVASRMFLV AKTMETNREE</p>

LYDLLLETLRR LSVTSKVKFI VFNPSFVYMD RYASSLGAPL HNSCISALFL LFFSAFLVAD
SLINVWITLT VVSVEFGVIG FMTLWKVELD CISVLCIYIG INYTIDNCAP LLSTFVLGKD
FTRTKWVKNA LEVHGVAIQ SYLCYIVGLF PLAAVPSNLT CTLFRCLFLI AFVTFFHCFA
ILPVILTFLP PSKKKRKEKK NPENREEIEC VEMVDIDSTR VVDQITTV **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:	PTCHD1
Alternative Name:	ptchd1 (PTCHD1 Products)
Background:	<p>Patched domain-containing protein 1,FUNCTION: Required for the development and function of the thalamic reticular nucleus (TRN), a part of the thalamus that is critical for thalamocortical transmission, generation of sleep rhythms, sensorimotor processing and attention.</p> <p>{ECO:0000269 PubMed:27007844}.</p>
Molecular Weight:	101.5 kDa

Target Details

UniProt: [Q14B62](#)

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