

Datasheet for ABIN7555085

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



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PTCHD1
Protein Characteristics:	AA 1-888
Origin:	Human
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 mammalian cells.
Sequence:	<p>MLRQVLHRGL RTCFSRLGHF IASHPVFFAS APVLISILLG ASFSRYQVEE SVEHLLAPQH</p> <p>SLAKIERNLV NSLFPVNRSK HRLYSDLQTP GRYGRVIVTS FQKANMLDQH HTDLILKLHA</p> <p>AVTKIQVPRP GFNYTFAHIC ILNNDKTCIV DDIVHVLEEL KNARATNRTN FAITYPITHL</p> <p>KDGRAVYNGH QLGGVTVHSK DRVKSAAEIQ LTYYLQSINS LNDMVAERWE SSFCDTVRLF</p> <p>QKSNSKVKMY PYTSSSLRED FQKTSRVSER YLVTSLILVV TMAILCCSMQ DCVRSKPWLG</p> <p>LLGLVTISLA TLTAAGIINL TGGKYNSTFL GVPFVMLGHG LYGTFFEMLS WRKTREDQHV</p> <p>KERTAAYYAD SMLSFSLT TA MYLVTFGIGA SPFTNIEAAR IFCCNSCIAI FFNYLYVLSF</p> <p>YGSSLVFTGY IENNYQHSIF CRKVPKPEAL QEKPAWYRFL LTARFSEDTA EGEEANTYES</p> <p>HLLVCFLKRY YCDWITNTYV KPFVVLFYLI YISFALMGYL QVSEGS DLSN IVATATQTIE</p> <p>YTTAQQKYFS NYSPVIGFYI YESIEYWNTS VQEDVLEYTK GFVRISWFES YLNYLRKLN</p> <p>STGLPKKNFT DMLRNSFLKA PQFSHFQEDI IFSKKYNDEV DVVASRMFLV AKTMETNREE</p>

LYDLLLETLLRR LSVTSKVKFI VFNPSFVYMD RYASSLGAPL HNSCISALFL LFFSAFLVAD
SLINVWITLT VVSVEFGVIG FMTLWKVELD CISVLCIIYG INYTIDNCAP MLSTFVLGKD
FTRTKWVKNA LEVHGVAIQ SYLCYIVGLI 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
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Grade:	custom-made
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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:0000250 UniProtKB:Q14B62}.</p>
Molecular Weight:	101.3 kDa

Target Details

UniProt: [Q96NR3](#)

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