

Datasheet for ABIN7555098

Patched 2 Protein (PTCH2) (AA 1-1203) (His tag)



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Overview

Quantity:	1 mg
Target:	Patched 2 (PTCH2)
Protein Characteristics:	AA 1-1203
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Patched 2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PTCH2 Protein expressed in mammalian cells.
Sequence:	MTRSPPLREL PPSYTTPART AAPQILAGSL KAPLWLRAYF QGLLFSLGCG IQRHCGKVLV LGLLAFGALA LGLRMAIET NLEQLWVEVG SRVSQELHYT KEKLGEEAAY TSQMLIQTAR QEGENILTPE ALGLHLQAAL TASKVQVSLY GKSWDLNKIC YKSGVPLIEN GMIERMIEKL FPCVILTPLD CFWEGAKLQG GSAYLPGRPD IQWTNLDPEQ LLEELGPFAS LEGFRELLDK AQVGQAYVGR PCLHPDDLHC PPSAPNHHSR QAPNVAHEL SGGCHGFSHKF MHWQEELLG GMARDPQGEL LRAEALQSTF LLMSPRQLYE HFRGDYQTHD IGWSEEQAST VLQAWQRRFV QLAQEALPEN ASQQIHAFSS TTLDDILHAF SEVSAARVVG GYLLMLAYAC VTMLRWDCAQ SQGSVGLAGV LLVALAVASG LGLCALLGIT FNAATTQVLP FLALGIGVDD VFLLAHAFTE ALPGTPLQER MGECLQRTGT SVVLT SINNM AAFLMAALVP IPALRAFS LQAAIVVGCTFV AVMLVFPAI LSLDLRRRH CQRLDVLCCFSS PCSAQVIQIL PQELGDGTVP VGIAHLTATV QAFTHCEASS QHVVTILPPQ AHLVPPPSDP LGSELFSPGG STRDLLGQEE ETRQKAACKS

LPCARWNLAH FARYQFAPLL LQSHAKAIVL VLFGALLGLS LYGATLVQDG LALTDVVPRG
TKEHAFLSAQ LRYFSLYEVA LVTQGGFDYA HSQRALFDLH QRFSSLKAVL PPPATQAPRT
WLHYYRNWLQ GIQAAFDQDW ASGRITRHSY RNGSEDGALA YKLLIQTGDA QEPLDFSQLT
TRKLV DREGL IPPELFYMGL TVWVSSDPLG LAASQANFYP PPPEWLHDKY DTTGENLRIP
PAQPLEFAQF PFLLRGLQKT ADFVEAIEGA RAACAEAGQA GVHAYPSGSP FLFWEQYLGL
RRCFLLAVCI LLVCTFLVCA LLLLNPWTAG LIVLVLAMMT VELFGIMGFL GIKLSAIPVV
ILVASVGIGV EFTVHVALGF LTTQGSRLNR AAHALEHTFA PVTGDAISTL LGLLMLAGSH
FDFIVRYFFA ALTVLTLLGL LHGLVLLPV LLSILGPPPEV IQMYKESPEI LSPPAPQGGG
LRWGASSSLP QSFARVTTSM TVAIHPPPLP GAYIHPAPDE PPWSPAATSS GNLSSRGPGP ATG

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.
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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:	Patched 2 (PTCH2)
Alternative Name:	PTCH2 (PTCH2 Products)
Background:	Protein patched homolog 2 (PTC2),FUNCTION: Plays a role in the control of cellular growth

Target Details

	(PubMed:18285427). May have a role in epidermal development. May act as a receptor for Sonic hedgehog (SHH). {ECO:0000269 PubMed:18285427}.
Molecular Weight:	130.5 kDa
UniProt:	Q9Y6C5
Pathways:	Hedgehog Signaling

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