

Datasheet for ABIN7554877

PDE11A Protein (AA 1-933) (His tag)



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Overview

Quantity:	1 mg
Target:	PDE11A
Protein Characteristics:	AA 1-933
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDE11A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PDE11A Protein expressed in mammalian cells.
Sequence:	MAASRLDFGE VETFLDRHPE LFEDYLMRKG KQEMVEKWLQ RHSQGQGALG PRPSLAGTSS LAHSTCRGGS SVGGGTGPNG SAHSQPLPGG GDCGGVPLSP SWAGGSRGDG NLQRRASQKE LRKSFARSKA IHVNRTYDEQ VTSRAQEPLS SVRRRALLRK ASSLPPTTAH ILSALLESRV NLPRYPPTAI DYKCHLKKHN ERQFFLELVK DISNDLDLTS LSYKILIFVC LMVDADRCSL FLVEGAAAGK KTLVSKFFDV HAGTPLLPSC STENSNEVQV PWGKGIIGYV GEHGETVNIP DAYQDRRFND EIDKLTGYKT KSLLCMPIRS SDGEIIGVAQ AINKIPEGAP FTEDDEKVMQ MYLPFCGIAI SNAQLFAASR KEYERSRALL EVVNDLFEEQ TDLEKIVKKI MHRAQTLLKC ERCSVLLLED IESPVVKFTK SFELMSPKCS ADAENSFKES MEKSSYSDWL INNSIAELVA STGLPVNISD AYQDPRFDAE ADQISGFHIR SVLCVPIWNS NHQIIGVAQV LNRLDGKPFD DADQRLFEAF VIFCGLGINN TIMYDQVKKS WAKQSVALDV LSYHATCSKA EVDKFKAANI PLVSELAIDD IHFDDFSLDV DAMITAALRM FMELGMVQKF KIDYETLCRW LLTVRKNYRM

Product Details

VLYHNWRHAF NVCQLMFAML TTAGFQDILT EVEILAVIVG CLCHDLDRHG TNNAFQAKSG
SALAQLYGTS ATLEHHHFNH AVMILQSEGH NIFANLSSKE YSDLMQLLKQ SILATDLTLY
FERRTEFFEL VSKGEYDWNH KNHRDIFRSM LMTACDLGAV TKPWEISRQV AELVTSEFFE
QGDRERLELK LTPSAIFDRN RKDELPRQLQ EWIDSICMPL YQALVKVNVK LKPMLDSVAT
NRSKWHEELHQ KRLLASTASS SPASVMVAKE DRN **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:	PDE11A
Alternative Name:	PDE11A (PDE11A Products)
Background:	Dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A (EC 3.1.4.35) (EC 3.1.4.53) (cAMP and cGMP phosphodiesterase 11A),FUNCTION: Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides cAMP and cGMP (PubMed:10725373, PubMed:10906126, PubMed:11050148, PubMed:16330539). Catalyzes the hydrolysis of both cAMP and cGMP to 5'-AMP and 5'-GMP, respectively (PubMed:10725373, PubMed:10906126,

Target Details

	PubMed:11050148). {ECO:0000269 PubMed:10725373, ECO:0000269 PubMed:10906126, ECO:0000269 PubMed:11050148, ECO:0000269 PubMed:16330539}.
Molecular Weight:	104.8 kDa
UniProt:	Q9HCR9
Pathways:	cAMP Metabolic Process

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