

[Go to Product page](#)

Datasheet for ABIN7554905
PDE5A Protein (AA 1-875) (His tag)

Overview

Quantity:	1 mg
Target:	PDE5A
Protein Characteristics:	AA 1-875
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDE5A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PDE5A Protein expressed in mammalian cells.
Sequence:	MERAGPSFGQ QRQQQPQQQ KQQQRDQDSV EAWLDDHWDF TFSYFVRKAT REMVNAWFAE RVHTIPVCKE GIRGHTESCS CPLQQSPRAD NSAPGTPTRK ISASEFDRPL RPIVVKDSEG TVSFLSDSEK KEQMPLTPPR FDHDEGDQCS RLLELVKDIS SHLDVTALCH KIFLHIHGLI SADRYSLFLV CEDSSNDKFL ISRLFDVAEG STLEEVSNNC IRLEWNKGIV GHVAALGEPL NIKDAYEDPR FNAEVDQITG YKTQSILCMP IKNHREEVVG VAQAINKKSG NGGTFTEKDE KDFAAAYLAFK GIVLHNAQLY ETSLLENKRN QVLLDLASLI FEEQSLEVI LKKIAATIIS FMQVQKCTIF IVDEDCSDF SSVFHMECEE LEKSSDTLTR EHDANKINYM YAQYVKNTME PLNIPDVSKD KRFPWTTENT GNVNQQCIRS LLCTPIKNGK KNKVIGVCQL VNKMEENTGK VKPFNRNDEQ FLEAFVIFCG LGIQNTQMYE AVERAMAKQM VTLEVLSYHA SAAEEETREL QSLAAAVVPS AQTLKITDFS FPDFELSDLE TALCTIRMFT DLNLVQNFQM KHEVLCRWIL SVKKNYRKNV AYHNWRHAFN TAQCMFAALK AGKIQNKLTDL LAILALLIAA LSHDLDRHGV

Product Details

NNSYIQRSEH PLAQLYCHSI MEHHHFDQCL MILNSPGNQI LSGLSIEEYK TTLKIIKQAI
LATDLALYIK RRGEFFELIR KNQFNLEDPH QKELFLAMLM TACDLSAITK PWPIQQRIAE
LVATEFFDQG DRERKELNIE PTDLMNREKK NKIPSMQVGF IDAICLQLYE ALTHVSEDCF
PLLDGCRKNR QKWQALAEQQ EKMLINGESG QAKRN **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:

PDE5A

Alternative Name:

PDE5A ([PDE5A Products](#))

Background:

CGMP-specific 3',5'-cyclic phosphodiesterase (EC 3.1.4.35) (cGMP-binding cGMP-specific phosphodiesterase) (CGB-PDE),FUNCTION: Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. This phosphodiesterase catalyzes the specific hydrolysis of cGMP to 5'-GMP (PubMed:9714779, PubMed:15489334). Specifically regulates nitric-oxide-generated cGMP (PubMed:15489334). {ECO:0000269|PubMed:15489334, ECO:0000269|PubMed:9714779}.

Target Details

Molecular Weight:	100.0 kDa
UniProt:	O76074
Pathways:	Regulation of G-Protein Coupled Receptor Protein 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