

Datasheet for ABIN7554898

PDS5B Protein (AA 1-1447) (His tag)



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Overview

Quantity:	1 mg
Target:	PDS5B
Protein Characteristics:	AA 1-1447
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDS5B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PDS5B Protein expressed in mammalian cells.
Sequence:	MAHSKTRTND GKITYPPGVK EISDKISKEE MVRRLKMVVK TFMDMDQDSE EEKELYLNLA LHLASDFFLK HPDKDVRLV ACCLADIFRI YAPEAPYTSP DKLKDIFMFI TRQLKGLEDT KSPQFNRYFY LLENIAWVKS YNICFELED NEIFTQLYRT LFSVINNGHN QKVHMHMVDL MSSIICEGDT VSQELLDTVL VNLVPAHKNL NKQAYDLAKA LLKRTAQAI E PYITNFFNQV LMLGKTSISD LSEHVFDLIL ELYNIDSHLL LSVLPQLEFK LKSNDEERL QVVKLLAKMF GAKDSELASQ NKPLWQCYLG RFNDIHVPIR LECVKFASHC LMNHPDLAKD LTEYLKVRSH DPEEAI RHDV IVSIVTAAKK DILLVNDHLL NFVRERTLDK RWRVRKEAMM GLAQIYKKYA LQSAAGKDAA KQIAWIKDKL LHIYYQNSID DRLLVERIFA QYMPHNLET TERMKCLYYL YATLDLNAVK ALNEMWKCQN LLRHQVKDLL DLIKQPKTDA SVKAIFSKVM VITRNLPDPG KAQDFMCKFT QVLEDDKIR KQLEVLVSPT CSCKQAEGCV REITKKLGNP KQPTNPFLEM IKFLLERIAP VHIDTESISA LIKQVNKSID GTADDEDEGV PTDQAIRAGL ELLKVLSFTH PISFHS AETF

ESLLACLKMD DEKVAEAAALQ IFKNTGSKIE EDFPHIRSAL LPVLHHKSKK GPPRQAKYAI
HCHAIHFSSK ETQFAQIFEP LHKSLDPSNL EHLITPLVTI GHIALLPDQ FAAPLKSLVA
TFIVKDLLMN DRLPGKKTTK LWVPDEEVSP ETMVKIQAIAK MMVRWLLGMK NNHSKSGTST
LRLLTILHS DGDLTEQGI SKPDMSRLRL AAGSAIVKLA QEPCYHEIT LEQYQLCALA
INDECYQVRQ VFAQKLHKGL SRLRPLEYM AICALCAKDP VKERRAHARQ CLVKNINVRR
EYLKQHAASV EKLLSLLPEY VVPYTIHLLA HDPDYVKVQD IEQLKDVKEC LWFVLEILMA
KNENNSHAFI RKMVENIKQT KDAQGPDDAK MNEKLYTVCD VAMNIIMSKS TTYSLESPKD
PVLPARFFTQ PDKNFSNTKN YLPPEMKSFF TPGKPKTTNV LGAVNKPLSS AGKQSQTAKSS
RMETVSNASS SSNPSSPGRI KGRLDSEMD HSENYDTMS SPLPGKSDK RDDSDLVRSE
LEKPRGRKKT PVTEQEEKLG MDDLTKLVQE QPKGKSQRSR KRGHTASESD EQQWPEEKRL
KEDILENEDE QNSPPKKGKR GRPPKPLGGG TPKEEPTMKT SKKGSKKSG PPAPEEEEE
ERQSGNTEQK SKSKQHRVSR RAQQRAESPE SSAIESTQST PQKGRGRPSK TPSPSQPKKN
VRVGRSKQAA TKENDSSEEV DVFQGSPPVD DIPQEETEEE EVSTVNVRRR SAKRERR **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:	PDS5B
Alternative Name:	PDS5B (PDS5B Products)
Background:	Sister chromatid cohesion protein PDS5 homolog B (Androgen-induced proliferation inhibitor) (Androgen-induced prostate proliferative shutoff-associated protein AS3),FUNCTION: Regulator of sister chromatid cohesion in mitosis which may stabilize cohesin complex association with chromatin. May couple sister chromatid cohesion during mitosis to DNA replication. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and plays an important role in DNA repair. Plays a role in androgen-induced proliferative arrest in prostate cells. {ECO:0000269 PubMed:10963680, ECO:0000269 PubMed:15855230, ECO:0000269 PubMed:19696148}.
Molecular Weight:	164.7 kDa
UniProt:	Q9NTI5

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