

Datasheet for ABIN7554897

PDS5A Protein (AA 1-1337) (His tag)



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Overview

Quantity:	1 mg
Target:	PDS5A
Protein Characteristics:	AA 1-1337
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDS5A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PDS5A Protein expressed in mammalian cells.
Sequence:	MDFTAQPKPA TALCGVVSAD GKIAYPPGVK EITDKITTDE MIKRLKMVVK TFMDMDQDSE DEKQYQLPLA LHLASEFFLR NPNKDVRLV ACCLADIFRI YAPEAPYTSH DKLKDIFLFI TRQLKGLEDT KSPQFNRYFY LLENLAWVKS YNICFELEDC NEIFIQLFRT LFSVINNSHN KKVQMHMLDL MSSIMEGDG VTQELLSIL INLIPAHKNL NKQSFDLAKV LLKRTVQTIE ACIANFFNQV LVLGRSSVSD LSEHVFDLIQ ELFAIDPHLL LSVMPQLEFK LKSNDEERL AVVRLAKLF GSKDSDLATQ NRPLWQCFLG RFNDIHVPVR LESVKFASHC LMNHPDLAKD LTEYLKVRSH DPEEAIKRDV IVTIITAAKR DLALVNDQLL GFVRERTLDK RWRVRKEAMM GLAQLYKKYC LHGEAGKEAA EKVSWIKDKL LHIYYQNSID DKLLVEKIFA QYLVPHNLET EERMKCLYYL YASLDPNAVK ALNEMWKCQN MLRSHVRELL DLHKQPTSEA NCSAMFGKLM TIAKNLDPDG KAQDFVKKFN QVLGDDEKLR SQLELLISPT CSCKQADICV REIARKLANP KQPTNPFLEM VKFLLERIAP VHIDSEAISA LVKLMNKSIE GTADDEEEGV SPDTAIRSGL

ELLKVLSTFTH PTSFHSAETY ESLLQCLRME DDKVAEAAIQ IFRNTGCHKIE TDL PQIRSTL
IPILHQKAKR GTPHQAKQAV HCIHAIFTNK EVQLAQIFEP LSRSLNADVP EQLITPLVSL
GHISMLAPDQ FASPMKSVVA NFIVKDLLMN DRSTGEKNGK LWSPDEEVSP EVLAKVQAIK
LLVRWLLGMK NNQSKSANST LRLLSAMLVS EGDLTEQKRI SKSDMSRLRL AAGSAIMKLA
QEPCYHEIIT PEQFQLCALV INDECYQVRQ IFAQKLHKAL VKLLLPLEYM AIFALCAKDP
VKERRAHARQ CLLKNISIRR EYIKQNPMAT EKLLSLLPEY VVPYMIHLLA HDPDFTRSQD
VDQLRDIKEC LWFMLEVLMT KNENNSHAFM KKMAENIKLT RDAQSPDESK TNEKLYTVCD
VALCVINSKS ALCNADSPKD PVLPMKFFTQ PEKDFCNDKS YISEETRVLL LTGKPKPAGV
LGAVNKPLSA TGRKPYVRST GTETGSNINV NSELPSTGN RSREQSSEAA ETGVSENEEN
PVRIISVTPV KNIDPVKNKE INSDQATQGN ISSDRGKKRT VTAAGAENIQ QKTDEKVDKES
GPPAPSKPRR GRRPKSESQG NATKNDDLNK PINKGRKRAA VGQESPGGLE AGNAKAPKLQ
DLAKKAAPAE RQIDLQR **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
Grade:	custom-made

Target Details

Target:	PDS5A
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Target Details

Alternative Name:	PDS5A (PDS5A Products)
Background:	Sister chromatid cohesion protein PDS5 homolog A (Cell proliferation-inducing gene 54 protein) (Sister chromatid cohesion protein 112) (SCC-112),FUNCTION: Probable 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. {ECO:0000269 PubMed:15855230, ECO:0000269 PubMed:19907496}.
Molecular Weight:	150.8 kDa
UniProt:	Q29RF7

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