

Datasheet for ABIN7553711
DIP2A Protein (AA 1-1571) (His tag)



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Overview

Quantity:	1 mg
Target:	DIP2A
Protein Characteristics:	AA 1-1571
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DIP2A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DIP2A Protein expressed in mammalian cells.
Sequence:	MADRGCPLEA APLPAEVRES LAELELELSE GDITQKGYEK KRAKLLARYI PLIQGIDPSL QAENRIPGPS QTAAAPKQQ KSRPTASRDE RFRSDVHTEA VQAALAKYKE RKMPMPSKRR SVLVHSSVET YTPPDTSSAS EDEGLRRPG RLTSTPLQSH SSVEPWLDRV IQGSSTSSSA SSTSSHGGR PTTAPSAAAT PGAAATTALA GLEAHTHIDL HSAPPDVTG LVEHSYFERP QVASVRSVPR GCSGSMLETA DGVPVNSRVS SKIQQLLNTL KRPKRPLKE FFVDDFEELL EVQQPDNPQ KPEGSETSVL RGEPLTAGVP RPPSLLATLQ RWGTTQPKSP CLTALDTTGK AVYTLTYGKL WSRSLKLAYT LLNKLSKNE PLLKPGDRVA LVFPNSDPVM FMVAFYGCLL AELVPVPIEV PLTRKDAGSQ QVGFLGSCG VFLALTTDAC QKGLPKAQTG EVAAFKGWPP LSWLVIDGKH LAKPPKDWHP LAQDTGTGTA YIEYKTSKEG STVGTVSHA SLLAQCRALT QACGYSEAET LTNVLDKRD AGLWHGVLTS VMNRMHVSV PYALMKANPL SWIQKVC FYK ARAALVKS RD MHWSLLAQRG QRDVSLSSLR MLIVADGANP WSISSCDAFL NVFQSRGLRP EVICPCASSP EALTVAIRRP PDLGGPPPRK AVLSMNGLSY GVIRVDTEEK LSVLTVQDVG

QVMPGANVCV VKLEGTPYLC KTDEVGEICV SSSATGTAYY GLLGITKNVF EAVPVTTGGA
PIFDRPFTRT GLLGFIGPDN LVFIVGKLDG LMVTGVRRH ADDVVATALA VEPMKFVYRG
RIAVFSVTVL HDDRIVLVAE QRPDASEEDS FQWMSRVLQA IDSIHQVGVY CLALVPANTL
PKAPLGGIHI SETKQRFLEG TLHPCNVLMC PHTCVTNLPK PRQKQPEVGP ASMIVGNLVA
GKRIAQASGR ELAHLESDQ ARKFLFLADV LQWRAHTTPD HPLFLLNNAK GTVTSTATCV
QLHKRAERVA AALMEKGRLS VGDHVALVYP PGVDLIAAFY GCLYCGCVPV TVRPPHPQNL
GTTLPTVKMI VEVSKSACVL TTQAVTRLLR SKEAAAVIDI RTWPTILDTD DIPKKIASV
FRPPSPDVA YLDFSVSTTG ILAGVKMSHA ATSALCRSIK LQCELYPSRQ IAICLDPYCG
LGFALWCLCS VYSGHQSVLV PPLELESNVS LWLSAVSQYK ARVTFCSYSV MEMCTKGLGA
QTGVLRMKGV NLSCVRTCMV VAEERPRIAL TQSFSKLFKD LGLPARAVST TFGCRVNVAI
CLQGTAGPDP TTVYVDMRAL RHDRVRLVER GSPHSLPLME SGKILPGVKV IIAHTETKGP
LGDSLGEIW VSSPHNATGY YTVYGEELH ADHFSARLSF GDTQTIWART GYLGLFRTE
LTDASGGRHD ALYVVGSLDE TLELRGMRYH PIDIETSVIR AHRSAIECAV FTWTNLLVVV
VELDGLEQDA LDLVALVTNV VLEEHLVVG VVVIVDPGVI PINSRGEKQR MHLRDGFLAD
QLDPIYVAYN M **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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Product Details

Grade: custom-made

Target Details

Target: DIP2A

Alternative Name: DIP2A ([DIP2A Products](#))

Background: Disco-interacting protein 2 homolog A (DIP2 homolog A) (EC 6.2.1.1),FUNCTION: Catalyzes the de novo synthesis of acetyl-CoA in vitro (By similarity). Promotes acetylation of CTTN, possibly by providing the acetyl donor, ensuring correct dendritic spine morphology and synaptic transmission (By similarity). Binds to follistatin-related protein FSTL1 and may act as a cell surface receptor for FSTL1, contributing to AKT activation and subsequent FSTL1-induced survival and function of endothelial cells and cardiac myocytes (PubMed:20054002). {ECO:0000250|UniProtKB:Q8BWT5, ECO:0000269|PubMed:20054002}.

Molecular Weight: 170.4 kDa

UniProt: [Q14689](#)

Pathways: [M Phase](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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