

Datasheet for ABIN7564447
DIP2A Protein (AA 1-1523) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | DIP2A |
| Protein Characteristics: | AA 1-1523 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This DIP2A protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant Dip2a Protein expressed in mammalian cells. |
| Sequence: | MADRGCPLEA APLPAEVLES LAELELELSE GDITQKGYEK KRAKLLARYI PLIQDVHTEA VQAALAKYKE RKMPMPSKRR SALVHSSVET YTPPDTSSAS EDEGLRRPG RLTSTLLQSH SGIEPWLDREV IQGSSTSSA SSTSSHPGGR PAAAPSASTA LAGLTAHAHI DLHSAPPDVT TGLVEHSSYE RPQMASVRGI PRGHGRNVLE TADGVPVNSR VSSKIQQLLN TLKRPKRPP KEFFVDDFEE LLEVQQPDPN QPKPEGDQMA VLKGEPLSVG TNGPLSLLAA LQLWGTTQPK APCLTALDTA GKATCTLYG KLWSRSLKLA YTLNKLTSK NEPLLNPGDR VALVFPNSDP VMFMVAFYGC LLAELVPVPI EVPLTRKDAG SQQVGFLLGS CGVTLALTTD ACQKGLPKAP TGEVATFKGW PPLAWLVIDG KHLTRPPKDW YPLAQDTGSR TAYIEYKTSK EGSTVGVTVS HSSLLAQCQA LTQACGYTEA ETLTNVLDK RDAGLWHGV L TSMNRMHVI TIPYALMKVN PLSWIQKVC YKARAALVKS RDMHWSLLAQ RGQRDVCLSS LRMLIVADGA NPWSISSCDA FLNVFQSRGL RPEVICPCAS SPEALTVAIR RPPDLGGPPP RKAVLSMNGL SYGVIRVDTE EKLSVLTVQD VGQVMPGASV CVVKVDGAPY LCKTDEIGEI CVNSVATGTA YYGLLGITKN |

TFETVPVTAD GVPVSDRPFT RTGLLGFIGP DNLVFWGKL DGLMVVGVRR HNADDIVATA
LAVEPMKFVY RGRIAVFSVT VLHDDRIVLV AEQRPDASEE DSFQWMSRVL QAIDSIHQVG
VYCLALVPAN TLPKAPLGGI HISETKQRFL EGTLHPCNVL MCPHTCVTNL PKPRQKQPEV
GPASMIVGNL VAGKRIAQAS GRELAHLEDS DQARKFLFLA DVLQWRAHTT PDHPLFLLLN
AKGTVTSTAT CIQLHKRAER VAAALMEKGR LDAGDHVALV YPPGVDLIAA FYGCLYCGCV
PVTVRPPHPQ NLGTTLPTVK MIVEVSKSAC VLSTQAITRL LKSKEAAAAV DVRTWPTILD
TDDIPKKKVA SIFRPPSPDV LAYLDFSVST TGILAGVKMS HAATSALCRS IKLQCELYPS
RQIAICLPY CGLGFALWCL CSVYSGHQSV LVPPELESN VSLWLSAVSQ YKARVTFCYSY
SVMEMCTKGL GAQTGALRMK GVNLSVVRTC MVVAEERPRI SLTQSFSKLF KDLGLPARAV
STTFGCRVNV AICLQGTGTP DPTTVYVDMR ALRHDRVRLV ERGSPHSLPL MESGKILPGV
KVIIAHTETK GPLGDSHLGE IWVSSPHNAT GYYTVYGEET LHADHFSARL SFGDTQTIWA
RTGYLGFLRR TELTDASGER HDALYVVGSL DETLELRGMR YHPIDIETSV IRAHRSAEC
AVFTWTNLLV VVVELDGLEQ DALDLVALVT NVVLEEHLV VGVVVIVDPG VIPINSRGEK
QRMHLRDGFL ADQLDPIYVA YNM **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)

Grade: custom-made

Target Details

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| Target: | DIP2A |
| Alternative Name: | Dip2a (DIP2A Products) |
| Background: | <p>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 (PubMed:30672040). Promotes acetylation of CTTN, possibly by providing the acetyl donor, ensuring correct dendritic spine morphology and synaptic transmission (PubMed:31600191). 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 (By similarity). {ECO:0000250 UniProtKB:Q14689, ECO:0000269 PubMed:30672040, ECO:0000269 PubMed:31600191}.</p> |
| Molecular Weight: | 165.3 kDa |
| UniProt: | Q8BWT5 |
| Pathways: | M Phase |

Application Details

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| 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

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| 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 |