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Datasheet for ABIN7553679

DIAPH2 Protein (AA 1-1101) (His tag)

Overview

Quantity:	1 mg
Target:	DIAPH2
Protein Characteristics:	AA 1-1101
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DIAPH2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DIAPH2 Protein expressed in mammalian cells.
Sequence:	MEQPGAAASG AGGGSEEPGG GRSNKRSAGN RAANEEETKN KPCLNIQIKT LADDVRDRIT SFRKSTVKKE KPLIQHPIDS QVAMSEFPAA QPLYDERSLN LSEKEVLDLF EKMMEDMNLN EEKKAPLRNK DFTTKREMVV QYISATAKSG GLKNSKHECT LSSQEYVHEL RSGISDEKLL NCLESLRVSL TSNPVSWVNN FGHEGLGLLL DELEKLLDKK QQENIDKKNQ YKLIQCLKAF MNNKFGLQRI LGDERSLLLL ARAIDPKQPN MMTEIVKILS AICIVGEENI LDKLLGAITT AAERNNRERF SPIVEGLENQ EALQLQVACM QFINALVTSP YELDFRIHLR NEFLRSLGKT MLPDLKEKEN DELDIQLKVF DENKEDDLTE LSHRLNDIRA EMDDMNEVYH LLYNMLKDTA AENYFLSILQ HFLLIRNDYY IRPQYYKIE ECVSQIVLHC SGMDPDFKYR QRLDIDLTHL IDSCVNKAKV EESEQAAEF SKKFDEEFTA RQEAQAEQK RDEKIKELEA EIQLLRTQAQ VLSSSSGIPG PPAAPPLPGV GPPPPPPAPP LPGGAPLPPP PPPLPGMMGI PPPPPPLLF GGPPPPPLG GVPPPPGISL NLPYGMKQKK MYKPEVSMKR INWSKIEPTE LSENCFWLRV KEDKFENPDL FAKLALNFAT QIKVQKNAEA LEEKKTGPTK KVKELRILD PKTAQNLSIF

Product Details

LGSYRMPYED IRNVILEVNE DMLSEALIQN LVKHLPEQKI LNELAEKNE YDDLCEPEQF
GVVMSSVKML QPRLSSILFK LTFFEEHINNI KPSIIAVTLA CEELKKSESF NRLLLELVLLV
GNYMNSGSRN AQLGFKINF LCKIRDTKSA DQKTLLHFI ADICEEKYRD ILKFPEELEH
VESASKVSAQ ILKSNLASME QQIVHLERDI KKFPQAENQH DKFVEKMTSF TKTAREQYEK
LSTMHNNMMK LYENLGEYFI FDSKTVSIEE FFGDLNINFRT LFLEAVRENN KRREMEEKTR
RAKLAKEKAE QEKLERQKKK KQLIDINKEG DETGVMDNLL EALQSGAAFR DRRKRIPRNP
DNRRVPLERS RSRHNGAISS K **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

Target: DIAPH2

Alternative Name: DIAPH2 ([DIAPH2 Products](#))

Background: Protein diaphanous homolog 2 (Diaphanous-related formin-2) (DRF2),FUNCTION: Could be involved in oogenesis. Involved in the regulation of endosome dynamics. Implicated in a novel

Target Details

signal transduction pathway, in which isoform 3 and CSK are sequentially activated by RHOD to regulate the motility of early endosomes through interactions with the actin cytoskeleton. {ECO:0000269|PubMed:12577064}.

Molecular Weight: 125.6 kDa

UniProt: [O60879](#)

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