

Datasheet for ABIN7553695
DNMBP Protein (AA 1-1577) (His tag)



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Overview

Quantity:	1 mg
Target:	DNMBP
Protein Characteristics:	AA 1-1577
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DNMBP protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DNMBP Protein expressed in mammalian cells.
Sequence:	MEAGSVVRAI FDFCPSVSEE LPLFVGDIIE VLAVVDEFWL LGKKEDVTGQ FPSSFVEIVT IPSLKEGERL FVCICEFTSQ ELDNLPLHRG DLVILDGIPT AGWLQGRSCW GARGFFPSSC VRELCLSSQS RQWHSQSALF QIPEYSMGQA RALMGLSAQL DEELDFREGD VITIIGVPEP GWFEGELEGR RGIFPEGFVE LLGPLRTVDE SVSSGNQDDC IVNGEVDTPV GEEEIGPDED EEEPGTYGVA LYRFQALEPN ELDFEVGDKI RILATLEDGW LEGSLKGRTG IFPYRFVKLC PDTRVEETMA LPQEGSLARI PETSLDCLN TLGVVEQRHE TSDHEAEPD CIISEAPTSP LGHLTSEYDT DRNSYQDEDT AGGPPRSPGV EWEMPLATDS PTSDPTEVVN GISSQPQVPF HPNLQKSQYY STVGGSHPHS EQYPDLLPLE ARTRDYASLP PKRMYSQLKT LQKPVLPYR GSSVSASRVV KPRQSSQLH NLASYTKKHH TSSVYSISER LEMKPGPQAQ GLVMEAATHS QGDGSTDLDS KLTQQLIEFE KSLAGPGTEP DKILRHFSIM DFNSEKDIVR GSSKLITEQE LPERRKALRP PPPRPCTPVS TSPHLLVDQN LKPAPPLVVR PSRPAPLPSS AQRRTNAVSP KLLSRHRPTC ETLEKEGPGH MGRSLDQTSP CPLVLVRIEE MERDLDMYSR AQEELNLMLE

EKQDESSRAE TLEDLKFCE NIESLNMELQ QLREMTLLSS QSSSLVAPSG SVSAENPEQR
MLEKRAKVIE ELLQTERDYI RDLEMCIERI MVPMQQAQVP NIDFEGFLGN MQMVIKVSQK
LLAALEISDA VGPVFLGHRD ELEGTYKIYC QNHDEAIAL EIEKDEKIQ KHLQDSLADL
KSLYNEWGCT NYINLGSFLI KPVRQVMRYP LLLMELLNST PESHDPKVPL TNAVLAVKI
NVNINEYKRR KDLVLKYRKG DEDSLMEKIS KLNHSIIKK SNRVSSHLKH LTGFAPQIKD
EVFEETENF RMQERLIKSF IRDLSLYLQH IRESACVKV AAVSMWDVCM ERGHRDLEQF
ERVHRYISDQ LFTNFKERTE RLVISPLNQL LSMFTGPHKL VQKRFDKLLD FYNCTERA EK
LKDKKTLEEL QSARNNYEAL NAQLLDEL PK FHQYAQGLFT NCVHGYAEAH CDFVHQALEQ
LKPLLSLLKV AGREGNLIAI FHEEHSRVLQ QLQVFTFFPE SLPATKKPFE RKTIDRQSAR
KPLLGLPSYM LQSEELRASL LARYPPEKLF QAERNFNAAQ DLDVSLLEGD LVGVIKKKDP
MGSQNRWLID NGVTKGFVYS SFLKPYNPRR SHSDASVGS SSTESEHGSS SPRFPRQNSG
STLTFNPSSM AVSFTSGSCQ KQPQDASPPP KECDQGTLSA SLNPSNSESS PSRCPSDPDS
TSQPRSGDSA DVARVVKQPT ATPRSYRNR HPEIVGYSVP GRNGQSQDLV KGCARTAQAP
EDRSTEPDGS EAEGNQVYFA VYTFKARNPN ELSVSANQKL KILEFKDVTG NTEWWLAEVN
GKKGYVPSNY IRKTEYT **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: DNMBP

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

Background: Dynamin-binding protein (Scaffold protein Tuba),FUNCTION: Plays a critical role as a guanine nucleotide exchange factor (GEF) for CDC42 in several intracellular processes associated with the actin and microtubule cytoskeleton. Regulates the structure of apical junctions through F-actin organization in epithelial cells (PubMed:19767742, PubMed:17015620). Participates in the normal lumenogenesis of epithelial cell cysts by regulating spindle orientation (PubMed:20479467). Plays a role in ciliogenesis (By similarity). May play a role in membrane trafficking between the cell surface and the Golgi (By similarity).
{ECO:0000250|UniProtKB:E2RP94, ECO:0000250|UniProtKB:Q6TXD4, ECO:0000269|PubMed:17015620, ECO:0000269|PubMed:19767742, ECO:0000269|PubMed:20479467}.

Molecular Weight: 177.3 kDa

UniProt: [Q6XZF7](#)

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