

Datasheet for ABIN7565081
DMAP1 Protein (AA 1-468) (His tag)



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Overview

Quantity:	1 mg
Target:	DMAP1
Protein Characteristics:	AA 1-468
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DMAP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Dmap1 Protein expressed in mammalian cells.
Sequence:	<p>MATGADVRDI LELGGPEGDA ASGTISKKDI INPDKKSKK SSETLTFKRP EGMHREYVAL LYSDKKDAPP LLPSDTGQGY RTVKAKLGSK KVRPWKWMPF TNPARKDGAM FFHWRRAAEE GKDYPFARFN KTVQVPVYSE QEYQLYLHDD AWTKAETDHL FDLRFRDLR FVVIHNDRYDH QQFKKRSVED LKERYHHICA KLANVRAVPG TDLKIPVFDA GHERRRKEQL ERLYNRTPEQ VAEEEEYLLQE LRKIEARKKE REKRSQDLQK LITAADTTAE QRRTERKAPK KKLPPQKKEAE KPAVPETAGI KFPDFKSAGV TLRQRMKLP SSVGQKKIKA LEQMELLEGLV ELSPTPTEEL VHMFNELRSD LVLLYELKQA CANCEYELQM LRHRHEALAR AGVLGAPAAA AVGPTPASAE PTVSEGLGL DPTKDTIIDV VGAPLTPNSR KRRESASSSS SVKKAKKP Sequence without tag.</p> <p>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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

DMAP1

Alternative Name:

Dmap1 ([DMAP1 Products](#))

Background:

DNA methyltransferase 1-associated protein 1 (DNMAP1) (DNMT1-associated protein 1) (MAT1-mediated transcriptional repressor),FUNCTION: Involved in transcription repression and activation. Its interaction with HDAC2 may provide a mechanism for histone deacetylation in heterochromatin following replication of DNA at late firing origins. Can also repress transcription independently of histone deacetylase activity. May specifically potentiate DAXX-mediated repression of glucocorticoid receptor-dependent transcription. Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative

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senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage. Participates in the nuclear localization of URI1 and increases its transcriptional corepressor activity (By similarity). {ECO:0000250, ECO:0000269|PubMed:14978102}.

Molecular Weight: 53.1 kDa

UniProt: [Q9JI44](#)

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