

Datasheet for ABIN7562409

DAPK3 Protein (AA 1-448) (His tag)



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Overview

Quantity:	1 mg
Target:	DAPK3
Protein Characteristics:	AA 1-448
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DAPK3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Dapk3 Protein expressed in mammalian cells.
Sequence:	<p>MSTFRQEDVE DHYEMGEELG SGQFAIVRKC QQKGTGMEYA AKFIKKRRLP SSRRGVSREE IEREVSILRE IRHPNIITLH DVFENKTDV LILELVSGGE LFDFLAEKES LTEDATQFL KQILDGVHYL HSKRIAHFDL KPENIMLLDK HAASPRIKLI DFGIAHRIEA GSEFKNIFGT PEFVAPEIVN YEPLGLEADM WSIGVITYIL LSGASPFLGE TKQETLTNIS AVNYDFDEEY FSSTSELAkd FIRRLVKDP KRRMTIAQSL EHSWIKVRRR EDGARKPERR RLRAARLREY SLKSHSSMPR NTSYASFERF SRVLEDVAAA EQGLRELQRG RRQCRERVCA LRAAAEQREA RCRDGSAGLG RDLRRLRTEL GRTEALRTRA QEEARAALLG AGGLKRRLCR LENRYDALAA QVAAEVQFVR DLVRALEQER LQAECGVR</p> <p>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.</p>
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.

Product Details

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:

DAPK3

Alternative Name:

Dapk3 ([DAPK3 Products](#))

Background:

Death-associated protein kinase 3 (DAP kinase 3) (EC 2.7.11.1) (DAP-like kinase) (Dlk) (MYPT1 kinase) (ZIP-kinase),FUNCTION: Serine/threonine kinase which is involved in the regulation of apoptosis, autophagy, transcription, translation and actin cytoskeleton reorganization. Regulates both type I (caspase-dependent) apoptotic and type II (caspase-independent) autophagic cell deaths signal, depending on the cellular setting. Involved in formation of promyelocytic leukemia protein nuclear body (PML-NB). Involved in apoptosis involving PAWR which mediates cytoplasmic relocation, in vitro phosphorylates PAWR (By similarity). Phosphorylates MYL12B in non-muscle cells leading to reorganization of actin cytoskeleton such as in regulation of cell polarity and cell migration. Positively regulates canonical Wnt/beta-catenin signaling through interaction with NLK and TCF7L2, disrupts the NLK-TCF7L2 complex thereby influencing the phosphorylation of TCF7L2 by NLK. Phosphorylates STAT3 and enhances its transcriptional activity. Enhances transcription from AR-responsive promoters in a hormone- and kinase-dependent manner. Phosphorylates histone H3 on 'Thr-11' at

Target Details

centromeres during mitosis (By similarity). Phosphorylates RPL13A on 'Ser-77' upon interferon-gamma activation which is causing RPL13A release from the ribosome, RPL13A association with the GAIT complex and its subsequent involvement in transcript-selective translation inhibition. {ECO:0000250|UniProtKB:O88764, ECO:0000269|PubMed:12917339, ECO:0000269|PubMed:15096528, ECO:0000269|PubMed:16219639, ECO:0000269|PubMed:21454679, ECO:0000269|PubMed:23071094, ECO:0000269|PubMed:9488481}.

Molecular Weight: 51.4 kDa

UniProt: [O54784](#)

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