

Datasheet for ABIN7564218
MAP6 Protein (AA 1-906) (His tag)



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Overview

Quantity:	1 mg
Target:	MAP6
Protein Characteristics:	AA 1-906
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAP6 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Map6 Protein expressed in mammalian cells.
Sequence:	<p>MAWPCITRAC CIARFWNQLD KADIAVPLVF TKYSEATEHP GAPPQPPAPL QPALAPPSRA</p> <p>VAIETQPAQG ESDAVARATG PAPGPSVDRE TVAAPGRSGL GLGAASASTS GSGPADSVMR</p> <p>QDYRAWKVQR PEPSCRPRSE YQPSDAPFER ETQYQKDFRA WPLPRRGDHP WIPKPVQIPA</p> <p>TSQPSQPVLG VPKRRPQSQE RGPMQLSADA RDPEGAGGAG VLAAGKASGV DQRDTRRKAG</p> <p>PAWMVTRNEG HEEKPLPPAQ SQTQEGGPAA GKASGADQRD TRRKAGPAWM VTRSEGHEEK</p> <p>PLPPAQSTQ EGGPAAGKAS GADQRDTRRK AGPAWMVTRT EGHEETPLPP AQSQTQEGGP</p> <p>AAGKASGADE RDTRRKAGPA WMVRRSEGHE QTPAAHAQGT GPEGGKGRAV ADALNRQIRE</p> <p>EVASTVSSSY RNEFRAWTDI KPVKPIKAKP QYKPPDDKMV HETSYSAQFK GEANKPSAAD</p> <p>NKAMDRRRIR SLYSEPFKEC PKVEKPSVQS SKPKKTSTSH KPPRKAKDKQ VVSGQAACKK</p> <p>TTEGPSATKP DDKEQSKEMN NKLAEAKESR VKPTSDASKN RGPVTKEPHK DQGSVAPGLP</p> <p>KGQEPLKDQG PVVPGLPKDQ VPVPGSLKG QSPTAPGPTK DQGAVLLGPV KDLGPVAPAP</p>

IKVQDHIASE LLKNKDSVPL APAKAQSPLL PEPLKNQSPV VPASTKDQSF PTPAPRKDPG
PVIPEPEKDR APTVPERRKD QHVSIMASLK NEAPMVPESV KNQGLAGPEL VKDTGTDTTA
PRYLKGHDSV FVAPVKNQGP VIEPVKSQD PIIPALAKDQ GPMLPEPPKN QSPVVLGPIK
NQDPIIPVPL KGQDPLVPAP TKDQGPTAPD PLKTQGPKGT QLPTVSPSP VMIPTVPHTE YIEGSP

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.

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, Western Blot

Grade:

custom-made

Target Details

Target:

MAP6

Alternative Name:

Map6 ([MAP6 Products](#))

Background:

Microtubule-associated protein 6 (MAP-6) (Stable tubule-only polypeptide) (STOP),FUNCTION: Involved in microtubule stabilization in many cell types, including neuronal cells (PubMed:9600916). Specifically has microtubule cold stabilizing activity (PubMed:9600916). Involved in dendrite morphogenesis and maintenance by regulating lysosomal trafficking via its interaction with TMEM106B (By similarity). Regulates KIF5A-mediated axonal cargo transport (By similarity). Regulates axonal growth during neuron polarization (PubMed:28521134).

Target Details

	{ECO:0000250 UniProtKB:Q63560, ECO:0000250 UniProtKB:Q96JE9, ECO:0000269 PubMed:28521134, ECO:0000269 PubMed:9600916}.
Molecular Weight:	96.5 kDa
UniProt:	Q7TSJ2

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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