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Datasheet for ABIN7563919

MAPK6 Protein (AA 1-720) (His tag)

Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | MAPK6 |
| Protein Characteristics: | AA 1-720 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This MAPK6 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB) |

Product Details

| | |
|-----------|--|
| Purpose: | Custom-made recombinat Mapk6 Protein expressed in mammalien cells. |
| Sequence: | MAEFESLMN IHGFDLGSRY MDLKPLGCGG NGLVFSAVDN DCDKRVAIKK IVLTDPQSVK HALREIKIIR RLDHDNIVKV FEILGPSGSQ LTDDVGSLTE LNSVYIVQEY METDLANVLE QGPLLEEHR LFMYQLLRGL KYIHSANVLH RDLKPANLFI NTEDLVLKIG DFGLARIMDP HYSHKGHLSE GLVTKWYRSP RLLSPNNYT KAIDMWAAGC IFAEMLTGKT LFAGAHELEQ MQLILDSIPV VHEEDRQELL SVIPVYIRND MTEPHRPLTQ LLPGISREAL DFLEQILTFS PMDRLTAEAA LSHPYMSIYS FPTDEPISSH PFHIEDEVDD ILLMDETHSH IYNWERYHDC QFSEHDWPIH NNFDIDEVQL DPRALSDVTD EEEVQVDPRK YLDGDREKYL EDPAFDTSYS AEPCWQYPDH HENKYCDLEC SHTCNKTRS SPYLDNLVWR ESEVNHYYEP KLIIDLSNWK EQSKEKSDKR GKSKCERNGL VKAQIALEEA SQQLAERERG QGFDFDSFIA GTIQLSAQHQ SADVVDKLN LNSSVSQLEL KSLISKSVSR EKQEKGRANL AQLGALYQSS WDSQFVSGGE ECFLISQFCC EVRKDEHAEK ENTYTSYLDK FFSRKEDSEM LETEPVEEGK RGERGREAGL |

Product Details

LSGGGEFLLS KQLESIGTPQ FHSPVGSPLK SIQATLTPSA MKSSPQIPHK TYSSILKHLN **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:

MAPK6

Alternative Name:

Mapk6 ([MAPK6 Products](#))

Background:

Mitogen-activated protein kinase 6 (MAP kinase 6) (MAPK 6) (EC 2.7.11.24) (Extracellular signal-regulated kinase 3) (ERK-3),FUNCTION: Atypical MAPK protein. Phosphorylates microtubule-associated protein 2 (MAP2) and MAPKAPK5. The precise role of the complex formed with MAPKAPK5 is still unclear, but the complex follows a complex set of phosphorylation events: upon interaction with atypical MAPKAPK5, ERK3/MAPK6 is phosphorylated at Ser-189 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK3/MAPK6. May promote entry in the cell cycle. {ECO:0000269|PubMed:15538386, ECO:0000269|PubMed:15577943}.

Molecular Weight:

82.2 kDa

Target Details

UniProt: [Q61532](#)

Pathways: [MAPK Signaling](#), [Neurotrophin Signaling Pathway](#), [Regulation of Muscle Cell Differentiation](#), [Hepatitis C](#)

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