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Datasheet for ABIN7547279
DUSP6 Protein (AA 1-381) (His tag)

Overview

Quantity:	1 mg
Target:	DUSP6
Protein Characteristics:	AA 1-381
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DUSP6 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat DUSP6 Protein expressed in mammalian cells.
Sequence:	MIDTLRPVPF ASEMAISKTV AWLNEQLELG NERLLLMDCR PQELYESSHI ESAINVAIPG IMLRRQLQKGN LPVRALFTRG EDRDRFTRRC GTDTRVLYDE SSSDWNENTG GESVLGLLK KLKDEGCRAF YLEGGFSKFQ AEFSLHCETN LDGSCSSSSP PLPVLGLGGL RISSDSSSDI ESDLDRDPNS ATDSDGSPLS NSQPSFPVEI LPFLYLGCAK DSTNLDVLEE FGIKYILNVT PNLPNLFENA GEFKYKQIPI SDHWSQNLSSQ FFPEAISFID EARGKNCVGL VHCLAGISRS VTVTVAAYLMQ KLNLSMNDAY DIVKMKKSNI SPNFMFMGQL LDFERTLGLS SPCDNRVPAQ QLYFTTPSNQ NVYQVDSLQS T 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:
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Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	DUSP6
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Alternative Name:	DUSP6 (DUSP6 Products)
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Background:	<p>Dual specificity protein phosphatase 6 (EC 3.1.3.16) (EC 3.1.3.48) (Dual specificity protein phosphatase PYST1) (Mitogen-activated protein kinase phosphatase 3) (MAP kinase phosphatase 3) (MKP-3),FUNCTION: Inactivates MAP kinases. Has a specificity for the ERK family (PubMed:9858808). Plays an important role in alleviating chronic postoperative pain. Necessary for the normal dephosphorylation of the long-lasting phosphorylated forms of spinal MAPK1/3 and MAP kinase p38 induced by peripheral surgery, which drives the resolution of acute postoperative allodynia (By similarity). Also important for dephosphorylation of MAPK1/3 in local wound tissue, which further contributes to resolution of acute pain (By similarity). Promotes cell differentiation by regulating MAPK1/MAPK3 activity and regulating the expression of AP1 transcription factors (PubMed:29043977).</p> <p>{ECO:0000250 UniProtKB:Q9DBB1, ECO:0000269 PubMed:29043977, ECO:0000269 PubMed:8670865}.</p>
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Molecular Weight:	42.3 kDa
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UniProt:	Q16828
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Target Details

Pathways: [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#)

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
