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Datasheet for ABIN7547181
DUSP7 Protein (AA 1-419) (His tag)

Overview

Quantity:	1 mg
Target:	DUSP7
Protein Characteristics:	AA 1-419
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DUSP7 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat DUSP7 Protein expressed in mammalien cells.
Sequence:	<p>MKNQLRGPPA RAHMSTSGAA AAGGTRAGSE PGAGSGSGAG TGAGAATGAG AMPCKSAEWL QEELEARGGA SLLLLDCRPH ELFESSHIET AINLAIPGLM LRRLRKGNLP IRSIIPNHAD KERFATRCKA ATVLLYDEAT AEWQPEPGAP ASVLGLLLQK LRDDGCQAYY LQGGFNKFQT EYSEHCETNV DSSSSPSSSP PTSVLGLGGL RISSDCSDGE SDRELPSSAT ESDGSPVPSS QPAFPVQILP YLYLGCAKDS TNLDVLGKYG IKYILNVTPN LPNAFEHGGE FTYKQIPISD HWSQNLQFF PEAISFIDEA RSKKCGVLVH CLAGISRSVT VTVAFLMQKM NLSLNDAYDF VKRKKSNISP NFNFMGQLLD FERTLGLSSP CDNHASSEQL YFSTPTNHNL FPLNTLEST</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.</p> <p>In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

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

Grade: custom-made

Target Details

Target: DUSP7

Alternative Name: DUSP7 ([DUSP7 Products](#))

Background: Dual specificity protein phosphatase 7 (EC 3.1.3.16) (EC 3.1.3.48) (Dual specificity protein phosphatase PYST2),FUNCTION: Dual specificity protein phosphatase (PubMed:9788880). Shows high activity towards MAPK1/ERK2 (PubMed:9788880). Also has lower activity towards MAPK14 and MAPK8 (PubMed:9788880). In arrested oocytes, plays a role in meiotic resumption (By similarity). Promotes nuclear envelope breakdown and activation of the CDK1/Cyclin-B complex in oocytes, probably by dephosphorylating and inactivating the conventional protein kinase C (cPKC) isozyme PRKCB (By similarity). May also inactivate PRKCA and/or PRKCG (By similarity). Also important in oocytes for normal chromosome alignment on the metaphase plate and progression to anaphase, where it might regulate activity of the spindle-assembly checkpoint (SAC) complex (By similarity). {ECO:0000250|UniProtKB:Q91Z46, ECO:0000269|PubMed:9788880}.

Molecular Weight: 45.0 kDa

UniProt: [Q16829](#)

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