

Datasheet for ABIN7563049
DUSP1 Protein (AA 1-367) (His tag)



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Overview

Quantity:	1 mg
Target:	DUSP1
Protein Characteristics:	AA 1-367
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DUSP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Dusp1 Protein expressed in mammalian cells.
Sequence:	MVMEVGILDA GGLRALLREG AAQCLLLDCR SFFAFNAGHI AGSVNVRFST IVRRRAKGAM GLEHIVPNAE LRGRLLAGAY HAVVLLDERS ASLDGAKRDG TLALAAGALC REARSTQVFF LQGGYEAFFSA SCPELCSKQS TPTGLSLPLS TSVPDSAESG CSSCSTPLYD QGGPVEILSF LYLGSAYHAS RKDMLDALGI TALINVSANC PNHFEGHYQY KSIPVEDNHK ADISSWFNEA IDFIDSIKDA GGRVVFHCQA GISRSATICL AYLMRTNRVK LDEAFEFVKQ RRSIISPNSF FMGQLLQFES QVLAPHCSAE AGSPAMAVLD RGTSTTTVFN FVPSIPVHPT NSALNYLKSP ITTSPSC 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.
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.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	DUSP1
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Alternative Name:	Dusp1 (DUSP1 Products)
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Background:	Dual specificity protein phosphatase 1 (EC 3.1.3.16) (EC 3.1.3.48) (Mitogen-activated protein kinase phosphatase 1) (MAP kinase phosphatase 1) (MKP-1) (Protein-tyrosine phosphatase 3CH134) (Protein-tyrosine phosphatase ERP),FUNCTION: Dual specificity phosphatase that dephosphorylates MAP kinase MAPK1/ERK2 on both 'Thr-183' and 'Tyr-185', regulating its activity during the meiotic cell cycle. {ECO:0000269 PubMed:8221888}.
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Molecular Weight:	39.4 kDa
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UniProt:	P28563
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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.
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Restrictions:	For Research Use only
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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