

Datasheet for ABIN7547264

DUSP12 Protein (AA 1-340) (His tag)



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Overview

Quantity:	1 mg
Target:	DUSP12
Protein Characteristics:	AA 1-340
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DUSP12 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat DUSP12 Protein expressed in mammalian cells.
Sequence:	<p>MLEAPGPSDG CELSNPSASR VSCAGQMLEV QPGLYFGGAA AVAEPDHLRE AGITAVLTVD</p> <p>SEEPSFKAGP GVEDLWRLFV PALDKPETDL LSHLDRCVAF IGQARAEGRA VLVHCHAGVS</p> <p>RSVAITAFI MKTDQLPFEK AYEKLQILKP EAKMNEGFEE QLKLYQAMGY EVDTSSAIYK</p> <p>QYRLQKVTEK YPELQNLPE LFAVDPTTVS QGLKDEVLYK CRKCRRSLFR SSSILDHREG</p> <p>SGPIAFAHHR MTPSSMLTTG RQAQCTSYFI EPVQWMESAL LGVMDGQLLC PKCSAKLGSF</p> <p>NWYGEQCSCG RWITPAFQIH KNRVDEMIL PVLGSQTGKI 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.</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
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Grade:	custom-made
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Target Details

Target:	DUSP12
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Alternative Name:	DUSP12 (DUSP12 Products)
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Background:	Dual specificity protein phosphatase 12 (EC 3.1.3.16) (EC 3.1.3.48) (Dual specificity tyrosine phosphatase YVH1),FUNCTION: Dual specificity phosphatase, can dephosphorylate both phosphotyrosine and phosphoserine or phosphothreonine residues. Can dephosphorylate glucokinase (in vitro) (By similarity). Has phosphatase activity with the synthetic substrate 6,8-difluoro-4-methylumbelliferyl phosphate and other in vitro substrates (PubMed:10446167, PubMed:24531476). {ECO:0000250 UniProtKB:Q9JIM4, ECO:0000269 PubMed:10446167, ECO:0000269 PubMed:24531476}.
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Molecular Weight:	37.7 kDa
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UniProt:	Q9UNI6
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Pathways:	Regulation of Carbohydrate Metabolic Process
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Application Details

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

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