

Datasheet for ABIN7564082

SMEK1 Protein (AA 1-820) (His tag)



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Overview

Quantity:	1 mg
Target:	SMEK1
Protein Characteristics:	AA 1-820
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMEK1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Ppp4r3a Protein expressed in mammalien cells.
Sequence:	<p>MTDTRRRVKV YTLNEDRQWD DRGTGHVSSG YVERLKGMSL LVRAESDGSL LLESKINPNT</p> <p>AYQKQQDTLI VWSEAENYDL ALSFQEKAGC DEIWEKICQV QGKDPSVDIT QDLVDESEEE</p> <p>RFDDMSSPGL ELPSCELSRL EEIAELVASS LPSPLRREKL ALALENEGVI KKLLELFHVC</p> <p>EDLENIEGLH HLYEIIKGIF LLNRTALFEV MFSEECIMDV IGCLEYDPTL SQPRKHREFL</p> <p>TKTAKFKEVI PISDPELKQK IHQTYRVQYI QDMVLPTPSV FEENMLSTLH SFIFFNKVEI</p> <p>VGMLQEDEKF LTDLFAQLTD EATDEEKRQE LVNFLKEFCA FSQTLQPQNR DAFFKTLSNM</p> <p>GILPALEVIL GMDDTQVRSR ATDIFSYLVE YNPSMVREFV MQEAQQNDDD ILLINLIEH</p> <p>MICDTPELG GAVQLMGLLR TLVDPENMLA TANKTEKTEF LGFFYKHCMMH VLTAPLLANT</p> <p>TEDKPSKDDF QTAQLLALVL ELLTFCVEHH TYHIKNYIIN KDILRRVLVL MASKHAFLAL</p> <p>CALRFKRKII GLKDEFYNRY IMKSFLFEPV VKAFLNNGSR YNLMNSAIIIE MFEFIRVEDI</p> <p>KSLTAHVIEN YWKALEDVDY VQTFKGLKLR FEQQRERQDN PKLDSMRSIL RNHRYRRDAR</p>

TLEDEEEMWF NTDEDDMEDG EAVVSPSDKT KNDDDIMDPI SKFMERKKLK ESEEKEVLLK
TNLSGRQSPS FKLSLSSGTK TNLTSQSSAT SLPGSPGSPG SPGSPGSPGS VPKSTSQTAA
ITTKGGLVGL VDYPDDDEDD DEDEDKEDTL PVSKKAKFES **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	SMEK1
Alternative Name:	Ppp4r3a (SMEK1 Products)
Background:	Serine/threonine-protein phosphatase 4 regulatory subunit 3A (SMEK homolog 1),FUNCTION: Regulatory subunit of serine/threonine-protein phosphatase 4. May regulate the activity of PPP4C at centrosomal microtubule organizing centers. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AX phosphorylated on 'Ser-140' (gamma-H2AX) generated during DNA replication and required for DNA DSB repair (By similarity). {ECO:0000250}.
Molecular Weight:	93.8 kDa

Target Details

UniProt: [Q6P2K6](#)

Pathways: [Regulation of Carbohydrate Metabolic Process](#)

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