

Datasheet for ABIN7554881

## SMEK1 Protein (AA 1-833) (His tag)



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### Overview

Quantity:	1 mg
Target:	SMEK1
Protein Characteristics:	AA 1-833
Origin:	Human
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 mammalian 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 IGCLEYDPAL SQPRKHREFL</p> <p>TKTAKFKEVI PISDPELKQK IHQTYRVQYI QDMVLPTPSV FEENMLSTLH SFIFFNKVEI</p> <p>VGMLQEDEKF LTDLFAQLTD EATDEEKRQE LVNFLKEFCA FSQTLQPQNR DAFFKTLNSM</p> <p>GILPALEVIL GMDDTQVRS AATDIFSYLVE YNPSMVREFV MQEAQQNDV SKKLTEQKIT</p> <p>SKDILLINLI IEHMICDTP ELGGAVQLMG LLRTLVDPEN MLATANKTEK TEFLGFFYKH</p> <p>CMHVLTAPLL ANTTEKPSK DDFQTAQLLA LVLELLTFCV EHHTYHIKNY IINKDILRRV</p> <p>LVLMAKSHAF LALCALRFKR KIIGLKDEFY NRYIMKSFLF EPVVKAFLLN GSRYNLMNSA</p> <p>IIMFEFIRV EDIKSLTAHV IENYWKALED VDYVQTFKGL KLRFEQQRER QDNPKLDSMR</p>

SILRNHRYRR DARTLEDEEE MWFNTDEDDM EDGEAVVSPS DKTKNDDDDIM DPISKFMERK  
KLKESEEKEV LLKTNLSGRQ SPSFKLSLSS GTKTNLTSQS STTNLPGSPG SPGSPGSPGS  
PGSVPKNTSQ TAAITTKGGL VGLVDYPDDD EDDDEDEDKE DTLPLSKKAK FDS **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"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <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 ( <a href="#">SMEK1 Products</a> )
Background:	<p>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.</p> <p>{ECO:0000269 PubMed:18614045}.</p>
Molecular Weight:	95.4 kDa

## Target Details

UniProt:	<a href="#">Q6IN85</a>
Pathways:	<a href="#">Regulation of Carbohydrate Metabolic Process</a>

## 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