

Datasheet for ABIN7555584

## SMG8 Protein (AA 1-991) (His tag)



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### Overview

Quantity:	1 mg
Target:	SMG8
Protein Characteristics:	AA 1-991
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMG8 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat SMG8 Protein expressed in mammalian cells.
Sequence:	<p>MAGPVSLRDL LMGASAWMGS ESPGGSPTEG GGSAAGGPEP PWREDEICVV GIFGKTALRL</p> <p>NSEKFSLVNT VCDRQVFPLF RHQDPGDPGP GIRTEAGAVG EAGGAEDPGA AAGGSVRGSG</p> <p>AVAEGNRTEA GSQDYSLLQA YYSQESKVLV LLLTSICDNS QLLRACRALQ SGEAGGGLSL</p> <p>PHAEAHEFWK HQEKLQCLSL LYLFVSVCHIL LLVHPTCSFD ITYDRVFRAL DGLRQKVLPL</p> <p>LKTAIKDCPV GKDWKLNCRP CPPRLLFLFQ LNGALKVEPP RNQDPAHPDK PKKHSPKRRL</p> <p>QHALEDQIYR IFRKSRVL TN QSNCLFTVP ANQAFVYIVP GSQEEDPVGM LLDQLRSHCT</p> <p>VKDPESELLVP APLSGPRRYQ VMRQHSRQQL SFHIDSSSSS SSGQLVDFTL REFLWQHVEL</p> <p>VLSKKGFDSD VGRNPQPSHF ELPTYQKWIS AASKLYEVAI DGKEEDLGSP TGETLSKILS</p> <p>SIKVLGFLD IDTKFSENRC QKALPMAHSA YQSNLPHNYT MTVHKNLQAQ ALRVYSQHAR</p> <p>GPAFHKYAMQ LHEDCYKFWG NGHQLCEERS LTDQHCVHKF HSLPKSGEKP EADRNPPVLY</p> <p>HNSRARSTGA CNCGRKQAPR DDPFDIKAAN YDFYQLLEEK CCGKLDHINF PVFEPSTDPD</p>

APAKNESSPA PPDSADADKLK EKEPQTQGES TSLSLALSLG QSTDLSLGTYT ADPQAGGDNP  
EVHGQVEVKT EKRPNFVDRQ ASTVEYLPGM LHSNCPKGLL PKFSSWSLVK LGPAKSYNFH  
TGLDQQGFIP GTNYLMPWDI VIRTRADEEG DLDTNSWPAP NKAIPGKRSA VVMGRGRRRD  
DIARAFVGFE YEDSRGRRFM CSGPDKVMKV MGSGBKESAL KALNSDMPY ILSSSQGRGL  
KPHYAQLMRL FVVVPDAPLQ IILMPQVQPG PPPCPVFYFE KQEITLPPDG LWVLRFPYAY  
VTERGPCFPP KENVQLMSYK VLRGVLKAVT Q **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:	SMG8
Alternative Name:	SMG8 ( <a href="#">SMG8 Products</a> )
Background:	Nonsense-mediated mRNA decay factor SMG8 (Amplified in breast cancer gene 2 protein) (Protein smg-8 homolog),FUNCTION: Involved in nonsense-mediated decay (NMD) of mRNAs containing premature stop codons. Is recruited by release factors to stalled ribosomes together with SMG1 and SMG9 (forming the SMG1C protein kinase complex) and, in the SMG1C

### Target Details

	complex, is required to mediate the recruitment of SMG1 to the ribosome:SURF complex and to suppress SMG1 kinase activity until the ribosome:SURF complex locates the exon junction complex (EJC). Acts as a regulator of kinase activity. {ECO:0000269 PubMed:19417104}.
Molecular Weight:	109.7 kDa
UniProt:	<a href="#">Q8ND04</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