

Datasheet for ABIN7564751
SMG8 Protein (AA 1-991) (His tag)



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Overview

Quantity:	1 mg
Target:	SMG8
Protein Characteristics:	AA 1-991
Origin:	Mouse
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>MAGPVSLREL LMGASAWLGS ESPGGPSAEG GGNAAGTPEP PWREDEICVV GIFGKTALRL</p> <p>NSEKFSLVNT VCDRQVFPLF HHQDPGDPGT GIKTKAVSVG EAGGAGDPGA AAGDSLRRGM</p> <p>ATAEGNRAEP GPQDFSLLQA YYNQESKVLV LILTSICDNS QLLRACRALQ SGEAGGGLSL</p> <p>PHAETHEFWK HQEKLQCLSL LYLFVSVCHIL LLVHPTCSFD ITYDRVFRAL DGLRQKVLPL</p> <p>LKTAIKDCPV GKDWKLNCRP CPPRLLFLFQ LNGALKVEPP RSQDTAHPDK PKKHSPKRRL</p> <p>QHALEDQIYR IFRKSRVL TN QSINCLFTVP ANQAFVYIVP GSQEEDPIGM LLDQLRSHCT</p> <p>VKDPESELLVP APLSGPRRYQ AMRQHSRQQL SFHIDSSTSS SSGQLVDFTL REFLWQHVEL</p> <p>VLSKKGFDSD VGRNPQPSHF ELPTYQKWIS AAKLYEVAI DGKEEDLGSP TGETLSKILS</p> <p>SIKVLGFLD IDTKFSENRC QKALPMAHSA YQSNLPHNYT MTHVKNQLAQ ALRVYSQHAR</p> <p>GPAFHKYAMQ LHEDCYKFSW NGHQLCEERS LTDQHCVHKF HSLPKSGEKP EADRNPPVLY</p> <p>HNSRARSTGA CNCGRKQAPR DDPFDIKAAN YDFYQLLEEK CCGKLDHINF PVFEPSTDP</p>

APAKNEPSA PPDSDAEKLK EKEPQTQGES TSLSLALSLG QSTDLSLTYP ADPQAGGDNP
EVHGQGEGKS EKRPNLVDRQ ASTVEYLPGM LHSNCPKGLL PKFSSWSLVK LGPAKSYNFH
TGLDQQGFVP GTNYLMPWDI VIRTRADEG DLDTNSWPAP NKAIPGKRSA VVMGRGRRRD
DIARAFVGFE YEDSRGRRFM CSGPDKVMKV MGSGBKESAL KALNSDMPY ILSSSQGRGL
KPHYAQLMRL FVVVPDAPLQ IILMPQVQPG PPPCPVFYPE 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">• 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:	SMG8
Alternative Name:	Smg8 (SMG8 Products)
Background:	Nonsense-mediated mRNA decay factor SMG8 (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 complex, is required to mediate the recruitment of

Target Details

	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 (By similarity). {ECO:0000250}.
Molecular Weight:	109.7 kDa
UniProt:	Q8VE18

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