

Datasheet for ABIN7564043
RBM16 Protein (AA 1-1268) (His tag)



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Overview

Quantity:	1 mg
Target:	RBM16
Protein Characteristics:	AA 1-1268
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RBM16 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Scaf8 Protein expressed in mammalian cells.
Sequence:	<p>MEAVKTFNSE LYSLN DYKPP ISKAKMTQIT KAAIKAIKFY KHVVQSVEKF IQKCKPEYKV PGLYVIDSIV RQSRHQFGQE KDFVAPRFSN NIISTFQONLY RCPGDDKSKI VRVLNLWQKN NVFKSEIIQP LLDMAAGIPP PVVTPVLAST TAAMSNTPGT PVTPVTPANV VQGLPDPWVS QIANTDTLAA VAQILQSPQG QQLQQLIQLT QIQQKPKQPS ILQALDAGLV VQLQALTAQL TAAAAAANTL TPLDQGVSN KKLMDRDFDG EDSEHSEESK KEMPTPQLSH VSESVNNSIF HQIAEQLQQQ NLEQLRQQLL EQQPQKVTP QDSQEGTFGS EHSASPSQGS SQQHFLPEPA NLDDSIDIQQ QDMDIDEGQD VVEEIFEPE AKKVAVRSRS RTHSRRSRS PRKRRRSRS GSRKRKHKR SRSHSREKKR KASRSYSER RAREKERQ KKGLPPVRSK TLSVCSTTLW VGQVDKATQ QDLTNLFEF GQIESINMIP PRGCAYVMV HRQDSFRALQ KLSSGSYKIG SKVIKAWAL NKGVKTEYKQ FWDVDLGVTY IPWEVKVDD LDGFAEGMI DQETVNAEWE TVKASEPVKE PVQTAQSPAP VEKESVTTQ AEFPPPPVAM LQIPVAVAP AVSLVPPAFP</p>

VSMPVPPPGF NPIPPPPFLR ASFNPSQPPP GFMPVVPPP VVPPAIPPV VPTSLVQPPL
SMTPEAVKDV GFGSLVLPSP SVAGSLAPST LPAGNVFNPP SKAEPEEKVP HLIHQIPSG
ENTRPVIPSD IPSSAAMLAQ PPGASSTSGI LCVQRPNVSS NSEILGVRPA NVSNSAAIMG
AQPPNILNNS GILAIQPPNV SSGSGLLGVL PPNLPNNSGL VGLQPPNVTSPAGLLGTQPP
IGPQNLPLLA IPAQRMPALP MLDIRPGLIA QAPGPRFPLL QPGIPPQRGI PPSVLDAAAL
HPPPRGPFPP GDLFSQPERP FLAPGRPSID NVPNPKRIP LGNDNIQEG DRDYRFPIIE
TREGITRPPQ VDVRDVVGRRLDPREGGRP PLDARDHFGR PPVDMRENLV RPSLDHLGRR
DHFGFPPEKP WGPRDFDERE HRVLPVFGGP KGLHEERGRF RAGNYRFDPR SGPWNRGFGQ
EVHRDFDDRR RPWERQRDRD DRDFDFCREI NGNRLGRDRI QNTWVPPPHA RVFDYFEGAT
SQRKGDNVVQ VNGENTERHA QPPPLPVQKD PELYEKCLASS GDVDKEESGT VAGVESEAVV
ESTETEGT **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:

Key Benefits:

- 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

Grade:

custom-made

Target Details

Target:

RBM16

Alternative Name:

Scaf8 ([RBM16 Products](#))

Target Details

Background: SR-related and CTD-associated factor 8 (RNA-binding motif protein 16),FUNCTION: Anti-terminator protein required to prevent early mRNA termination during transcription. Together with SCAF4, acts by suppressing the use of early, alternative poly(A) sites, thereby preventing the accumulation of non-functional truncated proteins. Mechanistically, associates with the phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit (POLR2A), and subsequently binds nascent RNA upstream of early polyadenylation sites to prevent premature mRNA transcript cleavage and polyadenylation. Independently of SCAF4, also acts as a positive regulator of transcript elongation.
{ECO:0000250|UniProtKB:Q9UPN6}.

Molecular Weight: 139.6 kDa

UniProt: [Q6DID3](#)

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