

Datasheet for ABIN7564560
AQR Protein (AA 1-1481) (His tag)



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Overview

Quantity:	1 mg
Target:	AQR
Protein Characteristics:	AA 1-1481
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AQR protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Aqr Protein expressed in mammalian cells.
Sequence:	MAAPAQPKKI VAPTVSQINA EFVTQLACKY WAPHIKKKSP FDIKVEEIIY EKEIVKSRFA IRKIMLLEFS QYLENYLWMN YSPEVSSKAY LMSICCMVNE KFRENVPAWE TFKKKPDHFP FFFKCILKAA LAETDGEFSL HEQTLLLLFL DHCFSNLEVD LIRSQVQQLI SLPMWMGLQP ARLELELKKT PKLRKFWNLI KKNDEKMDPE AREQAYQERR FLSRLIQKFI SVLKSIPLSE PVTMDKVHYC ERFIELMIDL EALLPTRRWF NTILDDSHLL VHCYLSSLVH REEDGHLFSQ LLDMLKFYTG FEINDQTGNA LTENEMTTIH YDRITSLQRA AFAHFPELYD FALSNAEVD ARDSLVKFFG PLSSNTLHQV ASYLCLLPTL PKNEDTTFDK EFLLELLVSR HERRISQIQQ LNQMPLYPTE KIIWDENIVP TEYYSGEGCL ALPKLNLQFL TLHDYLLRNF NLFRLSTYE IRQDIEDSVS RMKPWQSEYG GVVFGGWARM AQPIVAFTVV EVAKPNIGEN WPTRVRADVT INLNVRDHIK DEWEGLRKHD VCFLITVRPT KPYGTFKDRR RPFIEQVGLV YVRGCEIQGM LDDKGRVIED GPEPRPNLRG ESRTFRVFLD PNQYQQDMTN TIQNGAEDVY DTFNVIMRRK

PKENNFKAVL ETIRNLMNTD CVVPDWLHDI ILGYGDPSSA HYSKMPNQIA TLDNDTFLS
IEHLKASFGP HNVKVTVSDP ALQIPFRIT FPVRSGKGKK RKDADGEEDD TEEAKTLIVE
PHVIPNRGPY PYNQPKRNTI QFTHTQIEAI RAGMQPGLTM VVGPPGTGKT DVAVQIISNI
YHNFPEQRTL IVTHSNQALN QLFEKIMALD IDERHLLRLG HGEETELETDF SFSRYGRVNY
VLARRIELLE EVKRLQKSLG VPGDASYTCE TAGYFFLYQV MSRWEEYMSR VKNSGTACPD
AAPDAAQVAT FFPFHEYFAN APQPIFKGRS YEEDMEIAEG CFRHIKKIFT QLEEFRASEL
LRSLDRSKY LLVKEAKIIA MTCTHAALKR HDLVKLGFKY DNILMEEAAQ ILEIETFIPL
LLQNPQDGFS RLKRWIMIGD HHQLPPVIKN MAFQKYSNME QSLFTRFVRV GVPTVDLDAQ
GRARASLCNL YNWRYKNLGN LPHVQLLPEF STANAGLLYD FQLINVEDFQ GVGSEPNPY
FYQNLGEAEY VVALFMYMCL LGYPADKISI LTTYNGQKHL IRDIINRRCG NNPLIGRPNK
VTTVDRFQGG QNDYILLSLV RTRAVGHRLD VRRLVVAMSR ARLGLYIFAR VSLFQNCFEL
TPAFSQLTAR PLHLHIIPTE PFPTSRKNGE RPPHEVQVIK NMPQMANFVY NMYMHLIQTT
HHYHQTFLQL PPAMVEEGEE GQSQETEMEA EEETVSAQGN LTPSPADASL SQETPAAQPD
CSSQTEDTSA PCDIATAAEP VSAAAEAATP QDAESVPTET E **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:	AQR
Alternative Name:	Aqr (AQR Products)
Background:	RNA helicase aquarius (EC 3.6.4.13) (Intron-binding protein of 160 kDa),FUNCTION: Involved in pre-mRNA splicing as component of the spliceosome. Intron-binding spliceosomal protein required to link pre-mRNA splicing and snoRNP (small nucleolar ribonucleoprotein) biogenesis. Plays a key role in position-dependent assembly of intron-encoded box C/D small snoRNP, splicing being required for snoRNP assembly. May act by helping the folding of the snoRNA sequence. Binds to intron of pre-mRNAs in a sequence-independent manner, contacting the region between snoRNA and the branchpoint of introns (40 nucleotides upstream of the branchpoint) during the late stages of splicing. Has ATP-dependent RNA helicase activity and can unwind double-stranded RNA molecules with a 3' overhang (in vitro). {ECO:0000250 UniProtKB:O60306}.
Molecular Weight:	170.3 kDa
UniProt:	Q8CFQ3

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