

Datasheet for ABIN7552262
AQR Protein (AA 1-1485) (His tag)



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Overview

Quantity:	1 mg
Target:	AQR
Protein Characteristics:	AA 1-1485
Origin:	Human
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 FDIKVIEDIY EKEIVKSRFA IRKIMLLEFS QYLENYLWMN YSPEVSSKAY LMSICCMVNE KFRENVPAWE IFKKKPDHFP FFFKHILKAA LAETDGEFSL HEQTVLLLFL DHCFSNLEVD LIRSQVQQLI SLPMWMGLQL ARLELELKKT PKLRKFWNLI KKNDEKMDPE AREQAYQERR FLSQLIQKFI SVLKSVPLSE PVTMDKVHYC ERFIELMIDL EALLPTRRWF NTILDDSHLL VHCYLSNLVR REEDGHLFSQ LLDMLKFYTG FEINDQTGNA LTENEMTTIH YDRITSLQRA AFAHFPELYD FALSNAEVD TRESLVKFFG PLSSNTLHGV ASYLCLLPTL PKNEDTTFDK EFLLELLVSR HERRISQIQQ LNQMPLYPTE KIIWDENIVP TEYYSGEGCL ALPKLNLQFL TLHDYLLRNF NLFRLSTYE IRQDIEDSVS RMKPWQSEYG GVVFGGWARM AQPIVAFTVV EVAKPNIGEN WPTRVRADVT INLNVRDHIK DEWGLRKHD VCFLITVRPT KPYGTFKDRR RPFIEQVGLV YVRGCEIQGM LDDKGRVIED GPEPRPNLRG ESRTFRVFLD PNQYQQDMTN TIQNGAEDVY ETFNIIMRRK

PKENNFKA VL ETIRNLMNTD CVVPDWLHDI ILGYGDPSSA HYSKMPNQIA TLD FNDTFLS
IEHLKASFP G HNVKVTVEDP ALQIPPFRT FPVRSGKGKK RKDADVEDED TEEAKTLIVE
PHVIPNRGPY PYNQPKRNTI QFTHTQIEAI RAGMQPGLTM VVGPPGTGKT DVAVQIISNI
YHNFPEQRTL IVTHSNQALN QLF EKIMALD IDERHLLRLG HGE EEELETEK DFSRYGRVNY
VLARRIELLE EVKRLQKSLG VPGDASYTCE TAGYFFLYQV MSRWEEYISK VKNKGSTLPD
VTEVSTFFPF HEYFANAPQP IFKGRSYEED MEIAEGCFRH IKKIFTQLEE FRASELLRSG
LDRSKYLLVK EAKIIAMTCT HAALKRHD LV KLGFKYDNIL MEEAAQILEI ETFIPLLLQN
PQDGF SRLKR WIMIGDHHQL PPVIKNMAFQ KYSNMEQSLF TRFVRVGVPT VDLDAQGRAR
ASLCNLYNWR YKNLGNLPHV QLLPEFSTAN AGLLYDFQLI NVEDFQGVGE SEPNPYFYQN
LGEAEYVVAL FMYMCLLGYP ADKISILTTY NGQKHLIRDI INRRCGNNPL IGRPNKVTTV
DRFQGQQNDY ILLSLVRTRA VGHLRDV RRL VVAMSRARLG LYIFARVSLF QNCFELTPAF
SQLTARPLHL HIIPTEPFPT TRKNGERPSH EVQIIKNMPQ MANFVYNMYM HLIQTTHHYH
QTLLQLPPAM VEEGEEVQNNQ ETELETEEEA MTVQADIIPS PTDTSCRQET PAFQTDTPS
ETGATSTPEA IPALSETTPT VVGAVSAPAE ANTPQDATSA PEETK **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) (IBP160),FUNCTION: Involved in pre-mRNA splicing as component of the spliceosome (PubMed:11991638, PubMed:25599396, PubMed:28502770, PubMed:28076346). Intron-binding spliceosomal protein required to link pre-mRNA splicing and snoRNP (small nucleolar ribonucleoprotein) biogenesis (PubMed:16949364). Plays a key role in position-dependent assembly of intron-encoded box C/D small snoRNP, splicing being required for snoRNP assembly (PubMed:16949364). 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 (PubMed:16949364). Has ATP-dependent RNA helicase activity and can unwind double-stranded RNA molecules with a 3' overhang (in vitro) (PubMed:25599396). {ECO:0000269 PubMed:11991638, ECO:0000269 PubMed:16949364, ECO:0000269 PubMed:25599396, ECO:0000269 PubMed:28076346, ECO:0000269 PubMed:28502770}.
Molecular Weight:	171.3 kDa
UniProt:	O60306

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.

Handling

Expiry Date: 12 months