

Product datasheet for PH320742

IBP160 (AQR) (NM_014691) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AQR MS Standard C13 and N15-labeled recombinant protein (NP_055506)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220742
Predicted MW:	171.3 kDa
Protein Sequence:	>RC220742 protein sequence Red=Cloning site Green=Tags(s)

MAAPAQPKKIVAPTVSQINAEFVTQLACKYWAPHIKKSPFDIKVIEDIYEKEIVKSRFAIRKIMLLEFS
QYLENYLWMNYSPEVSSKAYLMSICCMVNEKFRENVPAWEIFKKKPDHFPFFFKHILKAALAEADGEFSL
HEQTVLLFLDHCNFSLEVDLIRSQVQQLISLPMWGLQLARLELELKKTPKLRKFWNLIKKNDKMDPE
AREQAYQERRFSLQIQKFISVLKSVPLSEPVMDKVHYCERFIELMIDLEALLPTRRFNTILDDSHLL
VHCYL SNLVRREEDGHLFSQLLDMLKFYTGFEINDQTGNAL TENEMTTIHYDRITSLQRAAF AHPPELYD
FALSNAEVDTRSLVKFFGPLSSNTLHQVASYLCLLPTLPKNEDTTFDKEFLELLVSRHERRISQIQQ
LNQMPLYPTEKI IWDENI VPT EYSGEGCLALPKLNLQFLTLDYLLRNFNLFRL ESTY EIRQDIEDSVS
RMKPWQSEYGGVVF GGWARMAQPIVAFTVVEVAKPNIGENWPTRVRADVTINLNVRDHIKDEWEGLRKHD
VCF LITVRPTKPYGTFKDRRRPFIEQVGLVYVVGCEIQGMLDDKGRVIEDGPEPRPNL RGE SRTFRVFLD
PNQYQQDMTNTIQNGAEDVYETFNIIMRRKPKENNFKA VLETIRNLMNTDCVVPDWLHD IILGYGDPSSA
HYSKMPNQIATLDFNDTFLSIEHLKASFPGHNVKVTVEDPALQIPPFRIITFPVRSKGKGRKRDADVEDD
TEEAKT L IVEPHVIPNRPYPYNQPKRNTIQFTHTQIEAIRAGMQPGLTMVVGPPGTGKTDVAVQIISNI
YHNFPEQRTLIVTHSNQALNQLFEKIMALDIDERHLLRLGHGEELETEKDFSRVGRVNYVLARRIELLE
EVKRLQKSLGVPGDASYTCETAGYFFLYQVMSRWEYISKVKNKGSTLPDVTEVSTFFPFHEFYANAPQP
IFKGRSYEEDMIEAEGCFRHIKKIFTQLEEFRASELLRSGLDRSKYLLVKEAKI IAMTCTHAALKRHDLV
KLGFKYDNLMEAAQILEIETFIPLLLQNPQDGF SRLKRWIMIGDHHQLPPVIKNMAFQKYSNMEQSLF
TRFVRVGVPTVDLDAQGRARASL CNLYNWRYKNLGNLPHVQLLPEFSTANAGLLYDFQLINVEDFQGVGE
SEPNPYFYQNLGEAEYVVALFMYMCLLGYPADKISILT TYNGQKHLIRD IINRRCGNNPLIGRPNKVTTV
DRFQGGQNDYI LLSLVRTRAVGHLRDVRRLLVAMSRARLGLYIFARVSLFQNCFELTPAFSQTARPLHL
HIIPTEPFPTTRKNGERP SHEVQIIKNMPQMANFVYNMYMHLIQTTHHYHQTLLQLPPAMVEEGEEVQNQ
ETELETEEEAMTVQADIIPSPTDTSRQETPAFQTDTPSETGATSTPEAIPALSETTPTVVGAVSAPAE
ANTPQDATSAPEETK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

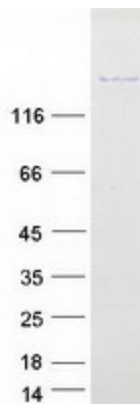
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



[View online »](#)

Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_055506
RefSeq Size:	5106
RefSeq ORF:	4455
Synonyms:	fSAP164; IBP160
Locus ID:	9716
UniProt ID:	O60306 , A0A024R9L1
Cytogenetics:	15q14
Summary:	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). [UniProtKB/Swiss-Prot Function]
Protein Pathways:	Spliceosome

Product images:



Coomassie blue staining of purified AQR protein (Cat# [TP320742]). The protein was produced from HEK293T cells transfected with AQR cDNA clone (Cat# [RC220742]) using MegaTran 2.0 (Cat# [TT210002]).