

Product datasheet for TP512006

Aqr (NM_009702) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse aquarius (Aqr), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR212006 representing NM_009702 Red=Cloning site Green=Tags(s)

MAAPAQPKKIVAPTVSQINAEFVTQLACKYWAPHIKKSPFDIKVIEIYEKEIVKSRFAIRKIMLLEFS
QYLENYLWMNYSPEVSSKAYLMSICCMVNEKFRENVPWETFKKKPDHFPFFKCILKAALAETDGEFSL
HEQTLLEFLDHCNLSLEVDLIRSQQQLISLPMWMLQPARLELELKKTPKLRKFWNLIKKNDKMDPE
AREQAYQERRFLSRILQKIFISVLKSIPLSEPVMTDKVHYCERFIELMIDDLEALLPTRRWFNTILDDSHLL
VHCYLSSLVHREEDGHLFSQLLDMLKFYTGFEINDQTGNALTENEMTTIHYDRITSLQRAAFHFPELYD
FALSNAEVDARDSLVKFFGPLESSNTLHQVASYLCLLPTLPKNEDTTFDKEFLELLVSRHERRISQIQQ
LNQMPLYPTEKIIWDENIVPTEYSSGEGCLALPKLNLQFLTLHDYLLRNFLRLESTYEIRQDIEDSVS
RMKPWQSEYGGVVFGGWARMAQPIVAFTVEVAKPNIGENWPTRVRADVTINLNVRDHIKDEWEGLRKHD
VCFLITVRPTKPYGTFDRRRPFIEQVGLVYVRGCEIQGMLDDKGRVIEDGPEPRPNLRGESRTFRVFLD
PNQYQQDMTNTIQNGAEDVYDTFNVIMRRKPKENNFKAVLETIRNLMNTDCVVPDWLHDIILGYGDPSSA
HYSKMPNQIATLDFNDTFLSIEHLKASFPGHNVKVTVSDPALQIPFRITFPVRSKGKGRKRDADGEEDD
TEEAKTLIVEPHVIPNRGPYPYNQPKRNTIQFTHTQIEAIRAGMQPGLTMVVGPPGTGKTDAVAVQIISNI
YHNFPEQRTLIVTHSNQALNQLFEKIMALDIDERHLLRLGHGEEETEKFDFSRVGRVNYVLARRIELLE
EVKRLQKSLGVPGDASYTCETAGYFFLYQVMSRWEEYMSRVKNSGTACPDAAAPDAAQVATFFPFHEYFAN
APQPIFKGRSYEEDMEIAEGCFRHIKIFTQLEEFRASELLRSGLDRSKYLLVKEAKIAMTCTHAALKR
HDLVKLGFKYDNLMEEAQILEIETFIPLLLQNPQDGFSLKRWIMIGDHHQLPPVIKNMAFQKYSNME
QSLFTRFVRVGVPTVDLDAQGRARASLCNLNRYKNGNLPHVQLLPEFSTANAGLLYDFQLINVEDFQ
GVGESEPNPYFYQNLGEAEYVALFMYMCLLGYPADKISILTTYNGQKHLIRDIINRRCGNPLIGRPNK
VTTVDRFQGGQNDYILLSLVRTRAVGHLRDVRRLLWAMSRARLGLYIFARVSLFQNCFELTPAFSQTAR
PLHLHIIPTPEPPTSARKNGERPPHEVQVIKNMPQMANFVYNYMHMHIQTTHHYHQTFLLPAMVEEGEE
GQSQETEMEAEEETVSAQGNLTPSPADASLSQETPAAQPDCCSSQTEDTSAPCDIATAAEPVAAAAEAATP
QDAESVPTETE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Tag:	C-MYC/DDK
Predicted MW:	170.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_033832
Locus ID:	11834
UniProt ID:	Q8CFQ3
RefSeq Size:	4897
Cytogenetics:	2 57.57 cM
RefSeq ORF:	4443
Synonyms:	AW495846; mKIAA0560
Summary:	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). [UniProtKB/Swiss-Prot Function]