

Product datasheet for **RC232214**

AKAP associated Sperm Protein (ROPN1L) (NM_001201466) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AKAP associated Sperm Protein (ROPN1L) (NM_001201466) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AKAP associated Sperm Protein
Synonyms:	ASP; RSPH11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC232214 representing NM_001201466 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGTTCCCGACACCATGTTCTGCGCTCAGCAGATCCACATCCCCCGAGCTGCCGGACATCCTGA
AGCAATTCACCAAGGCTGCCATCCGCACCCAGCCGGCCGACGTGCTGCGGTGGTCCGCGGGCTATTTTTC
AGCTCTGTCGAGAGGAGATCCACTTCTGTAAAGGACAGAATGGAAATGCCACGGCAACCCAGAAAACA
GACACAGGCTGACTCAAGGACTCCTGAAAGTTTTGCACAAGCAGTGTACCACAAGCGGTATGTGGAAT
TAACAGATCTTGAGCAGAAGTGAAGAAGTGTGCCTGCCGAAGGAAAAATCAAAGCGCTTTACAAC
GGATCCTTGTAACAAAATCAAGTGGATAAACTTTTTAGCGCTTGGATGCAGCATGCTTGGTGGGTCC
TTGAACACTGCGCTGAAGCACCTGTGCGAGATCCTCACGGACGATCGGGAGGGCGGGCCCGCTCGCATCC
CCTTCAAGACGTTTTCTACGTTTACCGCTACTTGCCAGATTAGACTCAGATGTGTCTCCCTTGGAGAC
GGAATCCTACCTTGCTCTAAAGGAAAATATAGACGCCAGGAAGAACGGCATGATAGGTCTTTCAGAT
TTCTTCTTCAAAGAGGAACTTTTAGAAAGCATTGAAAAGTCTGAAGATGTAGGCCAT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232214 representing NM_001201466
Red=Cloning site Green=Tags(s)

MPLPDTMFCAQQIHIPPELPDILKQFTKAAIRTQPADVLRWSAGYFSALSRGDPLPVKDRMEMPTATQKT
 DTGLTQGLLKVHLKQCHHKRYVELTDLEQKWNLC LPKEKFKALLQLDPCENKIKWINFLALGCSMLGGS
 LNTALKHLCEILTDDREGPARIPFKTF SYVRYRLARLSDSVSPLETESYLASLKENIDARKNGMIGLSD
 FFFPKRKLLESIENSEDVGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6314_e08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001201466

ORF Size: 690 bp

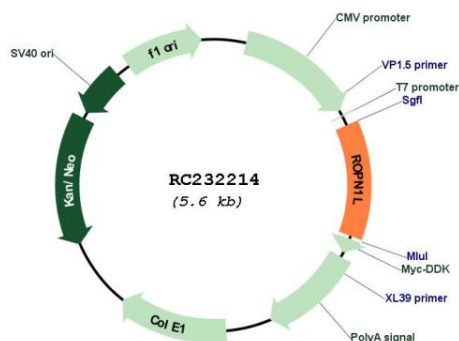
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001201466.1, NP_001188395.1</u>
RefSeq Size:	974 bp
RefSeq ORF:	693 bp
Locus ID:	83853
UniProt ID:	<u>Q96C74</u>
Cytogenetics:	5p15.2
MW:	26.2 kDa
Gene Summary:	This gene encodes a member of the ropporin family. The encoded protein is present in sperm and interacts with A-kinase anchoring protein, AKAP3, through the amphipathic helix region of AKAP3. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2014]

Product images:



Circular map for RC232214