

Product datasheet for **RG205543**

AKAP associated Sperm Protein (ROPN1L) (NM_031916) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | AKAP associated Sperm Protein (ROPN1L) (NM_031916) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | AKAP associated Sperm Protein |
| Synonyms: | ASP; RSPH11 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG205543 representing NM_031916 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGCTTCCCGACACCATGTTCTGCGCTCAGCAGATCCACATTCCTCCCGGAGCTGCCGGACATCCTGA
AGCAATTCACCAAGGCTGCCATCCGCACCCAGCCGGCCGACGTGCTGCGGTGGTCCGCGGGCTATTTTTTC
AGCTCTGTCGAGAGGAGATCCACTTCTGTAAAGGACAGAATGGAAATGCCACGGCAACCCAGAAAACA
GACACAGGCTGACTCAAGGACTCCTGAAAGTTTTGCACAAGCAGTGTCACCACAAGCGGTATGTGGAAT
TAACAGATCTTGAGCAGAAGTGAAGAAGTGTGCCTGCCGAAGGAAAAATTCAAAGCGCTTTACAAC
GGATCCTTGTGAAAACAAAATCAAGTGGATAAACTTTTTAGCGCTTGGATGCAGCATGCTTGGTGGGTCC
TTGAACACTGCGCTGAAGCACCTGTGCGAGATCCTCACGGACGATCGGGAGGGCGGGCCCGCTCGCATCC
CCTTCAAGACGTTTTCTACGTTTACCGCTACTTGCCAGATTAGACTCAGATGTGTCTCCCTTGGAGAC
GGAATCTACCTTGCCTCTCTAAAGGAAAATATAGACGCCAGGAAGAACGGCATGATAGGTCTTTTCAGAT
TTCTTCTTTCAAAGAGGAAACTTTTAGAAAGCATTGAAAAGTCTGAAGATGTAGGCCAT

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205543 representing NM_031916
 Red=Cloning site Green=Tags(s)

MPLPDTMFCAQQIHIPPELPDILKQFTKAAIRTQPADVLRWSAGYFSALSRGDPLPVKDRMEMPTATQKT
 DTGLTQGLLKVHLKQCHHKRYVELTDLEQKWKNLCLPKEKFKALLQLDPCENKIKWINFLALGCSMLGGS
 LNTALKHLCEILTDDREGGPARIPFKTFSYVYRYLARLDSVSPLETESYLASLKENIDARKNGMIGLSD
 FFFPKRKLLESIENSEDVGH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031916

ORF Size: 690 bp

OTI Disclaimer: 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:

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: [NM_031916.2](#), [NP_114122.2](#)

RefSeq Size: 1052 bp

RefSeq ORF: 693 bp

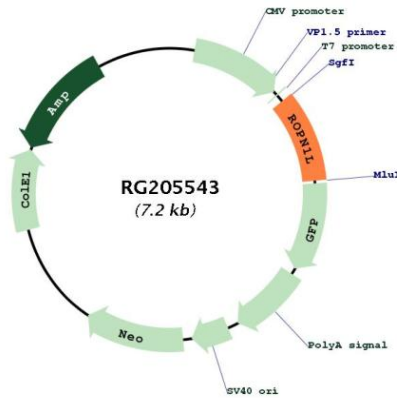
Locus ID: 83853

UniProt ID: [Q96C74](#)

Cytogenetics: 5p15.2

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 RG205543