

Product datasheet for **RG239686**

AKAP3 (NM_001278309) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AKAP3 (NM_001278309) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AKAP3
Synonyms:	AKAP 110; AKAP110; CT82; FSP95; HEL159; PRKA3; SOB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG239686 representing NM_001278309.
Blue=ORF Red=Cloning site Green=Tag(s)

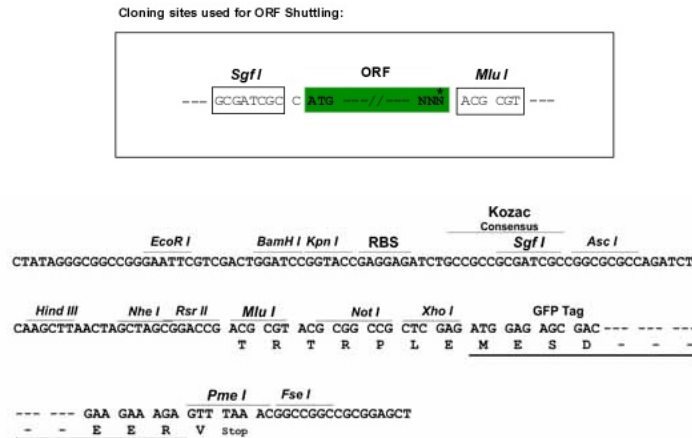
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AACCTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239686
Blue=ORF Red=Cloning site Green=Tag(s)

MSEKVDWLQSQNGVCKVDVYSPGDNQAQDWKMDTSTDPVRVLSWLRRDLEKSTAEFQDVRFKPGESFGG
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FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001278309

ORF Size: 2559 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).

RefSeq: [NM_001278309.1](#), [NP_001265238.1](#)

RefSeq Size: 3345 bp

RefSeq ORF: 2562 bp

Locus ID: 10566

UniProt ID: [O75969](#)

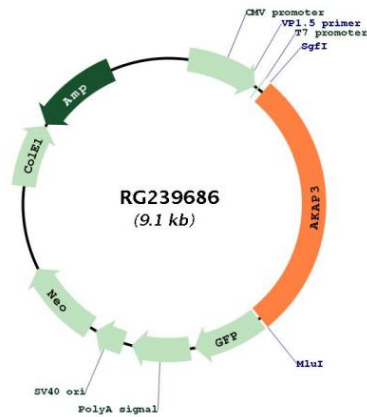
Cytogenetics: 12p13.32

Protein Families: Druggable Genome

MW: 95.2 kDa

Gene Summary: This gene encodes a member of A-kinase anchoring proteins (AKAPs), a family of functionally related proteins that target protein kinase A to discrete locations within the cell. The encoded protein is reported to participate in protein-protein interactions with the R-subunit of the protein kinase A as well as sperm-associated proteins. This protein is expressed in spermatozoa and localized to the acrosomal region of the sperm head as well as the length of the principal piece. It may function as a regulator of motility, capacitation, and the acrosome reaction. [provided by RefSeq, May 2013]

Product images:



Circular map for RG239686