

Product datasheet for **RG214582**

SFRS17A (AKAP17A) (NM_005088) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFRS17A (AKAP17A) (NM_005088) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AKAP17A
Synonyms:	721P; AKAP-17A; CCDC133; CXYorf3; DXYS155E; PRKA17A; SFRS17A; XE7; XE7Y
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG214582 representing NM_005088
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCGGCTACCATCGTGCACGACAGCTCTGAGGCCGTGGAGCTCTGCCCTGCTTACGGCTTGTACC
 TGAAGCCCATCACCAAGATGACCATCAGCGTGGCACTCCCGCAGCTGAAGCAGCCGGGAAGTCCATCTC
 CAACTGGGAGGTGATGGAGAGGCTGAAGGGCATGGTGCAGAACCACAGTTCTCCACGCTGCGTATTTC
 AAGAGCACCATGGACTTCATCCGCTTCGAGGGGAGGTGGAGAACAAGAGCCTGGTCAAGCTTTTTCTGG
 CCTGCCTGGACGGCAAGACCATCAAGCTCAGCGGCTTCTCCGACATCCTGAAGGTGCGCGCGCCGAGTT
 CAAGATCGACTTCCCCACCCGCCACGACTGGGACTCCTTCTTCCGCGACGCCAAGGACATGAACGAGACC
 CTGCCGGGGAGCGCCGGACACCATCCACCTGGAGGGGCTGCCCTGCAAGTGGTTCGCCCTGAAGGAGT
 CGGGCTCCGAGAAGCCAGCGAGGACGTCTGGTCAAGGTGTTTGAAGTTCGGGGAGATCCGGAATGT
 GGACATCCCATGCTGGACCCCTACCGGGAGGAGTACGGGGCCCAACTCCACACCTTCAAGTTTCGGG
 GGGCACTTGAAGTTCGAGGCCTATGTGCAGTACCGCGAGTACATGGGCTTCATCCAGGCCATGAGCGCC
 TGC CGGGATGAAACTCATGTACAAGGGCGAGGACGGCAAGGCCGTGGCCTGCAACATCAAGTTTCTTT
 TGATTCGACCAAAACACTGAGTGATGCCTCAATTAAGAAGCGGCAGCTGGAGAGGCAGAAGCTTCAGGAA
 CTGGAGCAGCAAAGAGAAGAACAAGCGCAGAGAGAAGGAAGCGGAGGAGGCAGCGAGCGGAGGAAA
 GGAAACAAAAGGAGCTGGAAGAGCTGGAGCGAGAGAGGAAAAGAGAAGAGCTTCGCAAGAGGGAGCA
 GAAGCAGAGGGACCGTGAGCTGCCCGGAATCAGAAGAAGCTGGAGAAGCTGCAGCGGAGGAGCAGAAG
 CAGCTGCAGGAGAAGTCAAGCTGGAGGAGCGCAAGCTGCTGCTGGCCCAGAGGAACCTGCAGTCCATCC
 GGCTCATCGCCGAGCTGCTCAGCAGAGCCAAGGCTGTGAAGCTACGGGAACAGGAGCAGAAGGAGGAGAA
 GCTGAGGCTCCAGCAGCAGGAGGAGCGCGCGGCTGCAGGAGGCCGAGCTGCGCGCGTGGAGGAGGAG
 AAGGAGCGCGCTGGGCTGCAGCGAAAGAGCGGGAGCTGCGCGAGCGGCTGCTGAGCATCCTGCTGA
 GCAAGAAGCCGGACGACAGCCACACACAGCAGGCTGGGCGTGGCACACGCCGACCTGCTGCAGCCGT
 CCTGGACATCCTGCAGACCGTGTCTCGGCTGTGTGAGCGCCACCACGCTGCACCCCTCGGGGCCAG
 CCCCCGGCCGTGCCCAAGGAGAGCCCGGCCACCCAGAGGCCGACGGCGCTCCCAAAAGCGTGAACG
 GGAGCGTGGCCGAGGAGGCCCATGCAAGGAGTTCAGAGCTCCTGCTGTGGTCCCGAGGATGGCTC
 TCCAGAGAAGAGGTGCCCGGGCGGCTCCTCCTGCATTCTGACAACAACCAAGCCCAAGGGCATC
 CCTGCCTGCGAGCAGAATGTCTCAGAAAGGACACCCGCTCAGAACAGGACAAGTCAACCGGGAGCCCA
 GCAAGGGCCGGGCGGGCCACCGGAGACGGGCTTGTGACCGGCAAGCGGGAGAGGACCGGGCCAG
 GCGGGCCAGCAGGAGGACGGAGGCCACGCAAGGAGCGGGCCCAACAAGAAGCAGCGCTACAAG
 GATGACAGCCCCCGCGGCAGCAGGACCGGACCACCCGCTCCCGGAGGTCCACAGCAAAGACA
 GGCACCGGAGGGAGCGGAGCCGGAGCGGAGGGGACGCGCAGCAGGAAGCACAGCCGCCACCGCCGCC
 AAGCGAGCGGTGCGCTCCCGTCCCGAGCAGGACCGCAGTACCTGGAACAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG214582 representing NM_005088
 Red=Cloning site Green=Tags(s)

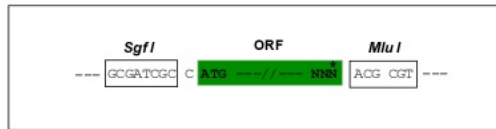
MAAATIVHDTSEAVELCPAYGLYLKPITKMTISVALPQLKQPGKSI SNWEVMERLKG MVQNHQFSTLRIS
 KSTMDFIRFEGEVENKSLVKSFLACLDGKTIKLSGFSDILKVRAAEFKIDFPTRHDWDSFFRDAKMNET
 LPGERPDTIHLEGLPCKWFALKESGSEKPS EDVLVKVFEKFG EIRNVDIPMLDPYREEMTGRNFHTFSFG
 GHLNFEAYVQYREYMGFIQAMSALRGMKLMYKGEDGKAVACNIKVSFDSTKHLSDASIKKRQLERQKLQE
 LEQQREEQKRREKEAEERQRAEERKQKELEELERERKREKLRKREKQQRDRELRRNQKLEKLQAEQK
 QLQEKIKLEERKLLL AQRNLQSIRLIAELL SRAKAVKLREQE QKEEKLR LQQQEERRRLQEAELRRVEEE
 KERALGLQRKERELRERLLSILLSKKPDDSHTHDELGVAHADLLQPVL DILQTVSSGCVSATTLHPLGGQ
 PPAGAPKESPAHPEADGAPKSVNGSVAEEAPCKEVQSSCRVVPEDGSPEKRCPPGGVLSVIPDNNQPKGI
 PACEQNVSRK DTRSEQDKCNREPSKGRGRATGDGLADRHKRERSRARRASSREDGRPRKERRPHKKHAYK
 DDSPRRRSTSPDHTRSRRSHSKDRHRRERSRERRGSASRKHSRHHRRRSERSRSRSPSRHRSTWNR

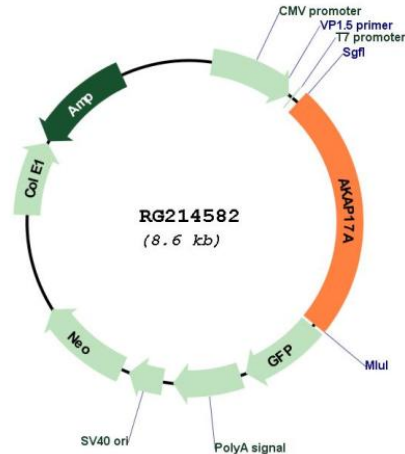
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:


ACCN: NM_005088

ORF Size: 2085 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_005088.3](#)

RefSeq Size: 3227 bp

RefSeq ORF:	2088 bp
Locus ID:	8227
UniProt ID:	<u>Q02040</u>
Cytogenetics:	X;Y
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This locus encodes a protein kinase A anchoring protein. The encoded protein is part of the spliceosome complex and is involved in the regulation of alternate splicing in some mRNA precursors. Alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Sep 2010]