

Product datasheet for **RG214807**

AGAP8 (NM_001077686) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGAP8 (NM_001077686) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AGAP8
Synonyms:	AGAP-8; CTGLF5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG214807 representing NM_001077686
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGGGAACATACTGACCTGTCGTGTGCACCCTAGCGTCAGCCTCGAGTTTGACCAGCAGCAGGGGTCGG
TGTGTCCCTCTGAATCTGAGATCTATGAGGCAGGAGCTGGGGACAGGATGGCAGGAGCGCCCATGGCTGC
TGCTGTACAGCCTGCTGAGGTGACTGTTGAAGTTGGTGAGGACCTCCACATGCACCACGTTCTGTGACCGG
GAGATGCCTGAAGCTTTGGAGTTAACCCTTCTGCCAATCCAGAGGCAAGCACAATATCCAGAGGAACT
CTCAAACAGATGTTGTAGAAATAAGAAGAAGCAACTGTACAAACCATGTATCTACTGTGCGTTTCAGTCA
ACAATACAGCTTGTGTTGACAATATTCCTTGATGACAGCACAGCCATCCAGCATTATCTTACAATGACA
ATAATATCTGTGACCTTGGAGATACCTCATCATATCACACAAAGAGATGCAGATAGATCTTTGAGCATA
CTGATGAACAGTTACACTCATTTGCGGTTCCACCGTGACATTATGAAGAAAAGAAATGGAGGTGGGAG
TTTAAATAACTATTCCTCTCCATTCCATCGACTCCCAGCACCAGCCAGGAGACCCTCAGTTCAGTGTT
CCTCCCACTGCCAACACACCCACCCCGTTTGCAAGCGGTCCATGCGCTGGTCCAACCTGTTTACATCTG
AGAAAGGGAGTGACCCAGACAAAGAGAGAAAGCCCGGAGAATCATGCTGACACCATCGGGAGCGGCAG
AGCCATCCCCATTAACAGGGCATGCTCTTAAAGCGAAGTGGAAATGGCTGAAGACATGGAAAAAGAAA
TACGTCACCCTGTGTTCCAATGGCGTGCTCACCTATTATTCAAGCTTAGGTGATTATATGAAGAATATTC
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TCCATATGCTTCAGCCCCAGTATCTCCAGCACCACCAGCCCCAAGCTCAACCCGCCCTCTCCTCATG
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GTGGCACTTTGAAGCCACGACATATGAGGAGCGGGATGCCTGGTCCAAGCCATCCAGAGCCAGATCCTG
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ATGACCTAGCCAACAGCATCTGGGAAGGGAGCAGCCAGGGGCAGACAAAACCTCAGAAAAGTCCACGAG
GGAAGAGAAGGAACGGTGGATCCGTTCCAATATGAGGAGAAGCTTTTCTGGCCCCACTACCCTGCACT
GAGCTGTCCCTGGGCCAGCAGCTGCTGTGGGCCACCGCTGATGAGGACCTGCAGACAGCCATCCTGTGC
TGGCACATGGCTCCCGTGAGGAGGTGAACGAGACCTGTGGGGAGGGAGACGGCTGCACGGCGCTCCATCT
GGCCTGCCGCAAGGGGAATGTGGTCTGGCGCAGCTCCTGATCTGGTACGGGGTGGACGTCATGGCCCGA
GATGCCACGGGAACACAGCGCTGACCTACGCCGGCAGGCCCTCCAGCCAGGAGTGCATCAACGTGCTTC
TGCAGTACGGCTGCCCGACGAGTGTGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214807 representing NM_001077686
 Red=Cloning site Green=Tags(s)

MGNILTCRVHPSVSLFDQQQGSVCPSESEIYEAGAGDRMAGAPMAAAVQPAEVTVEVGEDLHMHHVRDR
 EMPEALEFNPSANPEASTIFQRNSQTDVVEIRRSNCTNHVSTVRFSSQYSLCSTIFLDDSTAIQHYLTMT
 IISVTLIPHHITQRDADRSLIPDEQLHSFAVSTVHIMKKRNGGSLNNYSSSIPSTPSTSQEDPQFSV
 PPTANTPTPVCKRSMRWSNLFSEKGSDDPKERKAPENHADTIGSGRAIPIKQGMMLLKRSWKWKTWKKK
 YVTLCSNGLVLYYSSLDGYMKNIHKKKEIDLQTSTIKVPGKWPSLATSACTPISSSKSNGLSKDMDTGLGD
 SICFSPSISSTTSPKLNPPSPHANKKKHLKKKSTNNFMIVSATGQTWHFEEATTYEERDAWVQAIQSQIL
 ASLQSCSSKSKSQLTSQSEAMALQSIQNMGRNAHCVDCEQNPKWASLNLGVLMCIECSGIHHSGLGTRL
 SRVRSLELDDWPVELRKVMSSIGNDLANSIWEGSSQGQTKPSEKSTREEKERWIRSKYEEKLFLAPLPCT
 ELSLQQLLWATADEDLQTAIILLAHGSREEVNETCGEGDGCTALHLACRKGNNVLAQLLIWYGVDMAR
 DAHGNTALTYARQASSQECINVLLQYGCPCDEV

TRTRPLE - GFP Tag - V

Restriction Sites:

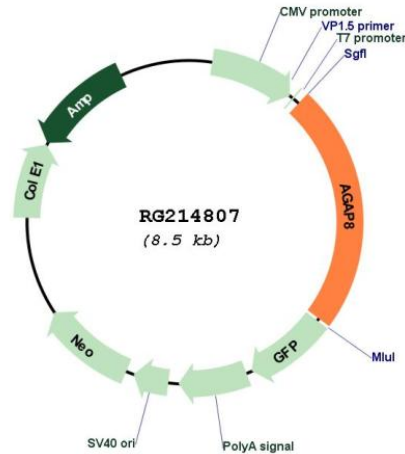
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001077686

ORF Size: 1989 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_001077686.2](#), [NP_001071154.1](#)

RefSeq Size: 2420 bp
RefSeq ORF: 1991 bp
Locus ID: 728404
Cytogenetics: 10q11.23