

Product datasheet for **RG217606**

F8A3 (NM_001007524) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: F8A3 (NM_001007524) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: F8A3
Synonyms: HAP40
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG217606 representing NM_001007524
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCAGCGGCTGCAGGCCTGGGCGCGCGCGCCGGCCCGGACCCGAGGCCGGGACTTCCTGG
 CCCGCTACCGGCTGGTATCGAACAAAGCTGAAGAAGCGGTTCTGCGGAAGCCGAACGTGGCGAGGCCGG
 CGAGCAGTTCGGACAGCTGGGCCGGGAGCTGCGCGCCAGGAGTGTCTGCCCTACCGGCCCTGGTGCCAG
 CTGGCGGTGGCGCCTGCCAGCAGGCGCTTCCACGGGCCCGGGAGGCGCTGGCCCTACCGAGGCCG
 CCCGCTCTTCTGCGGCAGGAGCGCAGCGCCAGCGCTGGTCTGCCCCGCCCTACGGGGAGCC
 GCTGCAGGCCGCCAGCGCCCTGGGGCGCGGTGCGTCTGCACCTCGAGCTGGGCCAGCCGGCCGCC
 GCCCGCCCTCTGCCTCGAGCTGGCGCGCCCTGCGCGACCTGGGCCAGCCGGCCGCCCGCCGGT
 ACTTCCAGCGCGCCCGCCAGCTCCAGCTGCCCCAGCTGCCCTGGCCGCGCTGCAGGCGCTTGGCGAGGC
 CGCCTCTGCCAGCTGCTGGCGCGGACTACACCGGCGCCCTGGCGGTCTTACGCGCATGCAGCGCCTG
 GCGCGGAGCAGCGCAGCCACCCGGTGCAGTCACTGCCCGCCCGCCCGCCCGGACCCAGCCCGGGC
 CCGGGGACGCCCGCCCTACCGGCCGCGCTGCTTCTCCGAACCTCCGGCTCGGCGGCGCCCTCTCCCG
 CGCCCTGGGCGCCTTCTCGGACGTGCTGGTCCGCTGCGAGGTGTCCCGCTGCTGCTGCTCTCTCTG
 CAACCACGCCCGCAAGCTGCTGCCGAGCAGCCAGACCTGGAGAAGTACTCTGGGAGGCTTTTG
 ACAGCCACGGGCAGGAGAGCAGCGCCAGCTTCCGAGGAGCTTTCTGCTGCTCCAGTCTTTGGTCA
 TGCTACCCACGAAAAGGACACGGAAGCCATCAAGTCGCTGCAGGTGGAGATGTGGCCACTGTTGACTGCT
 GAGCAGAACCACCTCTTACCTCGTTCTGCAAGAAACCATCTCCCCCTCAGGACAGGGAGTC

ACCGTACCGGCCGCTCGAG - GFP Tag - GTTAA



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Protein Sequence: >RG217606 representing NM_001007524
 Red=Cloning site Green=Tags(s)

MAAAAAGLGGGGAGPGPEAGDFLARYRLVSNLKKRFLRKNVAEAGEQFGQLGRELRAQECLPYAAWCQ
 LAVARCQQALFHGPGEALALTEAARLFLRQERDARQRLVCPAAAYGEPLQAAASALGAAVRLHLELGQPAA
 AAALCLELAAALRDLGQPAAGHFQRAAQLQLPQLAALQALGEAASCQLLARDYTGALAVFTRMQRLL
 AREHGSHPVQSLPPPPPPAPQPQPGATPALPAALLPPNSGSAAPSPAALGAFSDVLRCEVSRVLLLLLL
 QPPPAKLLPEHAQTLEKYSWEAFDSHGQESSGQLPEELFLLLQSLVMATHEKDTEAIKSLQVEMWPLLLTA
 EQNHLLHLVLQETISPSGQGV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001007524

ORF Size: 1113 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_001007524.2](#)

RefSeq Size: 1116 bp

RefSeq ORF: 1116 bp

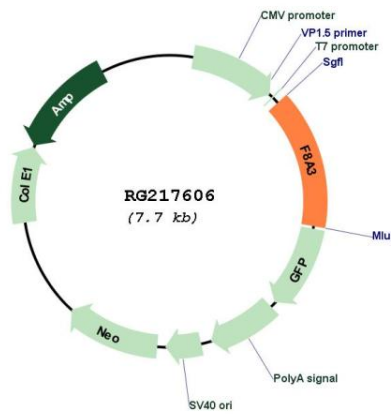
Locus ID: 474384

UniProt ID: [P23610](#)

Cytogenetics: Xq28

Gene Summary: This gene is part of a region that is repeated three times on chromosome X, once in intron 22 of the F8 gene and twice closer to the Xq telomere. This record represents the most telomeric copy. Although its function is unknown, the observation that this gene is conserved in the mouse implies it has some function. Unlike factor VIII, this gene is transcribed abundantly in a wide variety of cell types. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG217606