

Product datasheet for **RG207473**

F8A2 (NM_001007523) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F8A2 (NM_001007523) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	F8A2
Synonyms:	HAP40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207473 representing NM_001007523 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCAGCGGCTGCAGGCCTGGGCGCGCGCGCCGGCCCGGACCCGAGGCCGGGACTTCTGG
CCCCTACCGGCTGGTATCGAACAGCTGAAGAAGCGTTCTGCGGAAGCCGAACGTGGCGAGGCCGG
CGAGCAGTTCGGACAGCTGGGCCGGGAGCTGCGCGCCAGGAGTGTCTGCCCTACCGGCCCTGGTCCAG
CTGGCGGTGGCGCTGCCAGCAGGCGCTTCCACGGGCCCGGGAGGCGCTGGCCCTACCGAGGCCG
CCCGCCTCTTCTGCGGCAGGAGCGCAGCGCCAGCGCTGGTCTGCCCGCCGCTACGGGGAGCC
GCTGCAGGCCCGCCAGCGCCCTGGGCGCCGCGTGCCTGCACCTCGAGCTGGGCCAGCCGGCCGCGC
GCCCGCCCTCTGCCTCGAGCTGGCCGCGCCCTGCGCGACCTGGGCCAGCCGGCCGCGCCGCGCGGT
ACTTCCAGCGCGCCCGCCAGCTCCAGCTGCCCCAGCTGCCCTGGCCGCGCTGCAGGCGCTTGGCGAGGC
CGCCTCTGCCAGCTGCTGGCGCGGACTACACCGGCGCCCTGGCGGTCTTACGCGCATGCAGCGCCTG
GCGCGGGAGCACGGCAGCCACCCGGTGCAGTCACTGCCGCGCCCGCCGCGCCGCGCACCCAGCCCGGGC
CCGGGGCAGCGCCCGCCCTACCGGCCGCGCTGCTTCTCCGAACCTCCGGCTCGGCGGCGCCCTCTCCCGC
CGCCCTGGGCGCCTTCTCGGACGTGCTGGTCCGCTGCGAGGTGTCCCGCTGCTGCTGCTCTCTCCTG
CAACCACCGCCCGCAAGCTGCTGCCGAGCAGCCAGACCCCTGGAGAAGTACTCTGGGAGGCTTTTG
ACAGCCACGGGCAGGAGAGCAGCGCCAGCTTCCGAGGAGCTTTTCTGCTGCTCCAGTCTTTGGTCA
GGTACCCACGAAAAGGACACGGAAGCCATCAAGTCGCTGCAGGTGGAGATGTGGCCACTGTTGACTGCT
GAGCAGAACCACCTCTTACCTCGTTCTGCAAGAAACCATCTCCCCCTCAGGACAGGGAGTC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



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Protein Sequence: >RG207473 representing NM_001007523
 Red=Cloning site Green=Tags(s)

MAAAAAGLGGGGAGPGPEAGDFLARYRLVSNLKKRFLRKNVAEAGEQFGQLGRELRAQECLPYAAWCQ
 LAVARCQQALFHGPGEALALTEAARLFLRQERDARQLVCPAAAYGEPLQAAASALGAAVRLHLELGQPAA
 AAALCLELAAAALRDLGQPAAGHFQRAAQLQLPQLPALALQALGEAASCQLLARDYTALAVFTRMQRLL
 AREHGSHPVQSLPPPPPPAPQPQPGATPALPAALLPPNSGSAAPSPAALGAFSDVLVRCVSRVLLLLLLL
 QPPPAKLLPEHAQTLEKYSWEAFDSHGQESSGQLPEELFLLLQSLVMATHEKDTEAIKSLQVEMWPLLLTA
 EQNHLLHLVLQETISPSGQGV

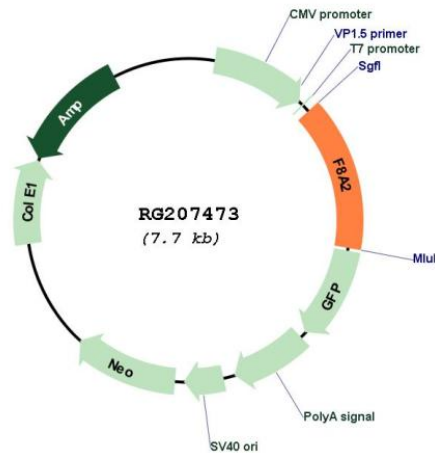
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007523

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:	<ol style="list-style-type: none">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_001007523.1 , NP_001007524.1
RefSeq Size:	1116 bp
RefSeq ORF:	1116 bp
Locus ID:	474383
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 middle 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]