

Product datasheet for **RG210039**

HAP40 (F8A1) (NM_012151) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAP40 (F8A1) (NM_012151) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HAP40
Synonyms:	DXS522E; F8A; HAP40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210039 representing NM_012151 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGGCAGCGGCTGCAGGCCTGGGCGGCGGCGCGGCCCGGGACCCGAGGCCGGGACTTCCTGG
CCCCTACCGGCTGGTATCGAACAAGCTGAAGAAGCGGTTCTGCGGAAGCCGAACGTGGCGGAGGCCGG
CGAGCAGTTCGGACAGCTGGGCCGGGAGCTGCGCGCCAGGAGTGTCTGCCCTACGCGGCTGGTGCCAG
CTGGCGGTGGCGCTGCCAGCAGGCGCTTCCACGGGCCCGGGAGGCGCTGGCCCTACCGAGGCCG
CCCGCCTTCTGCGGAGGAGCGGACGCGCGCCAGCGCTGGTCTGCCCCGCCGCTACGGGGAGCC
GCTGCAGGCCGCCAGCGCCCTGGGCGCCGCGTGCCTGTCACCTCGAGCTGGGCCAGCCGGCGGCC
GCCGCCGCCCTCTGCCTCGAGCTGGCCGCCGCCCTGCGCGACCTGGGCCAGCCGGCCGCCGCCCGGTC
ACTTCCAGCGCGCCGCCAGCTCCAGCTGCCCCAGCTGCCCTGGCCGCGCTGCAGGCGCTTGGCGAGGC
CGCCTCTGCCAGCTGCTGGCGCGGACTACACCGGCGCCCTGGCGGTCTTACGCGCATGCAGCGCCTG
GCGCGGAGACGGCAGCCACCCGGTGCAGTCACTGCCGCCGCCCGCCGCCGGCACCCAGCCCGGGC
CCGGGGCGACGCCGCCCTACCGCCGCGCTGCTTCTCCGAACCTCCGGCTCGGCGGCGCCCTCTCCCGC
CGCCCTGGGCGCCTTCTCGGACGTGCTGGTCCGCTGCGAGGTGTCCGCGTGTCTGCTGCTCTCTCTG
CAACCACCGCCGCCAAGCTGCTGCCGAGCAGCCAGACCTGGAGAAGTACTCTGGGAGGCTTTTG
ACAGCCACGGGCAGGAGAGCAGCGGCCAGCTTCCGAGGAGCTTTCTGCTGCTCCAGTCTTTGGTCAT
GGCTACCCACGAAAAGGACACGGAAGCCATCAAGTCGCTGCAGGTGGAGATGTGGCCACTGTTGACTGCT
GAGCAGAACCACCTCCTTACCTCGTTCTGCAAGAAACCATCTCCCCCTCAGGACAGGGAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG210039 representing NM_012151
 Red=Cloning site Green=Tags(s)

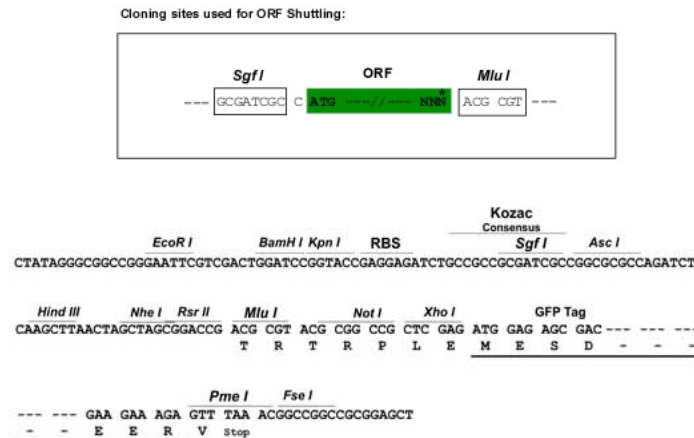
MAAAAAGLGGGGAGPGPEAGDFLARYRLVSNKLKKRFLRKNVAEAGEQFGQLGRELRAQECLPYAAWCQ
 LAVARCQQALFHGPGEALALTEAARLFLRQERDARQLVCPAAYGEPLQAAASALGAAVRLHLELGQPAA
 AAALCLELAAALRDLGQPAAGHFQRAAQLQLPQLPALALQALGEAASCQLLARDYTGALAVFTRMQR
 AREHGSHPVQSLPPPPPPAPQPGGATPALPAALLPPNSGSAAPSPAALGAFSDVLVRCEVSRVLLLLLL
 QPPPAKLLPEHAQTLEKYSWEAFDSHGQESSGQLPEELFLLLQSLVMATHEKDTEAIKSLQVEMWPLLTA
 EQNHLLHLVLQETISPSGGV

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_012151

ORF Size: 1113 bp

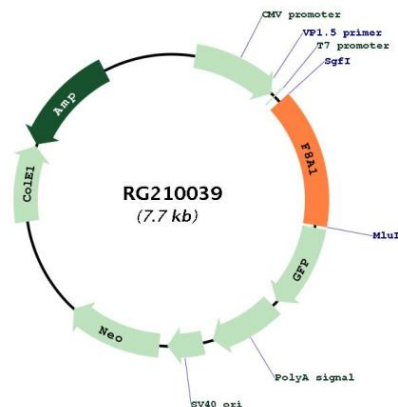
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_012151.3, NP_036283.2</u>
RefSeq Size:	1720 bp
RefSeq ORF:	1116 bp
Locus ID:	8263
UniProt ID:	<u>P23610</u>
Cytogenetics:	Xq28
Gene Summary:	This gene is contained entirely within intron 22 of the factor VIII gene; spans less than 2 kb, and is transcribed in the direction opposite of factor VIII. A portion of intron 22 (int22h), containing F8A, is repeated twice extragenically closer to the Xq telomere. 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 RG210039