

## Product datasheet for RC210039

### 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:	Myc-DDK
Symbol:	HAP40
Synonyms:	DXS522E; F8A; HAP40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210039 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCAGCGGCTGCAGGCCTGGGCGGCGCGGCCGCCGGACCCGAGGCCGGGACTTCCTGG  
CCCCTACCGGCTGGTATCGAACAAAGCTGAAGAAGCGGTTCTGCGGAAGCCGAACGTGGCGGAGGCCGG  
CGAGCAGTTCGGACAGCTGGGCCGGGAGCTGCGCGCCAGGAGTGTCTGCCCTACGCGGCTGGTGCCAG  
CTGGCGGTGGCGCTGCCAGCAGGCGCTTCCACGGGCCCGGGAGGCGCTGGCCCTACCGAGGCCG  
CCCCTCTTCTGCGGCAGGAGCGGACGCGCCAGCGCTGGTCTGCCCCGCGCTACGGGGAGCC  
GCTGCAGGCCGCCAGCGCCCTGGGCGCCGCGTGCCTGACCTCGAGCTGGGCCAGCCGGCCGCC  
GCCCGCCCTCTGCCTCGAGCTGGCCGCCCTGCGCGACCTGGGCCAGCCGGCCGCCCGCCGGT  
ACTTCCAGCGCGCCCGCCAGCTCCAGCTGCCCCAGCTGCCCTGGCCGCGCTGCAGGCGCTTGGCGAGGC  
CGCCTCTGCCAGCTGCTGGCGCGGACTACACCGGCGCCCTGGCGGTCTTACGCGCATGCAGCGCCTG  
GCGCGGAGACGCGCAGCCACCCGGTGCAGTCACTGCCCGCCCGCCGCCCGGACCCAGCCCGGGC  
CCGGGGCAGCGCCCGCTACCGGCCGCGCTGCTTCTCCGAACCTCCGGCTCGGCGGCGCCCTCTCCCG  
CGCCCTGGGCGCCTTCTCGGACGTGCTGGTCCGCTGCGAGGTGTCCCGCTGCTGCTGCTCTCCTG  
CAACCACCGCCCGCAAGCTGCTGCCGAGCAGCCAGACCTGGAGAAGTACTCTGGGAGGCTTTTG  
ACAGCCACGGGCAGGAGAGCAGCGCCAGCTTCCGAGGAGCTTTTCTGCTGCTCCAGTCTTTGGTCA  
GGCTACCCACGAAAAGGACACGGAAGCCATCAAGTCGCTGCAGGTGGAGATGTGGCCACTGTTGACTGCT  
GAGCAGAACCACCTCTTACCTCGTTCTGCAAGAAACCATCTCCCCCTCAGGACAGGGAGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC210039 protein sequence  
Red=Cloning site Green=Tags(s)

MAAAAAGLGGGGAGPGPEAGDFLARYRLVSNLKKRFLRKNVAEAGEQFGQLGRELRAQECLPYAAWCQ  
 LAVARCQQALFHGPGEALALTEAARLFLRQERDARQLVCPAAYGEPLQAAASALGAAVRLHLELQGPAA  
 AAALCLELAAALRDLGQPAAGHFQRAAQQLPQLPLAALQALGEAASCQLLARQDTGALAVFTRMQL  
 AREHGSHPVQSLPPPPPPAPQPGGATPALPAALLPPNSGSAAPSPAALGAFSDVLVRCVSRVLLLLLL  
 QPPPAKLLPEHAQTLEKYSWEAFDSHGQESSGQLPEELFLLLQSLVMATHEKDTAISKSLQVEMWPLLTA  
 EQNHLLHLVLQETISPSGGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6791\\_g09.zip](https://cdn.origene.com/chromatograms/mk6791_g09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_012151

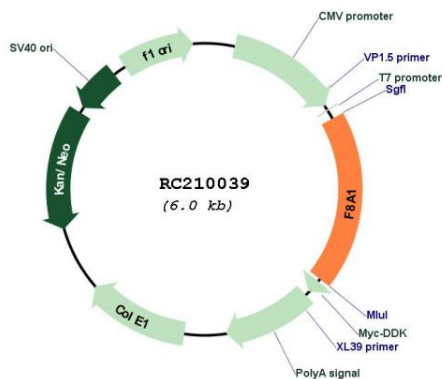
**ORF Size:** 1113 bp

**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](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

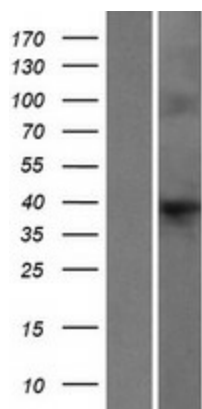
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_012151.3</a> , <a href="#">NP_036283.2</a>
<b>RefSeq Size:</b>	1720 bp
<b>RefSeq ORF:</b>	1116 bp
<b>Locus ID:</b>	8263
<b>UniProt ID:</b>	<a href="#">P23610</a>
<b>Cytogenetics:</b>	Xq28
<b>MW:</b>	39.1 kDa
<b>Gene Summary:</b>	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 RC210039



Western blot validation of overexpression lysate (Cat# [LY415937]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210039 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).