

Product datasheet for RC217606

F8A3 (NM_001007524) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F8A3 (NM_001007524) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	F8A3
Synonyms:	HAP40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217606 representing NM_001007524 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCAGCGGCTGCAGGCTGGGCGGCGCGGCCGCCGGACCCGAGGCCGGGACTTCTGG
CCCCTACCGGCTGGTATCGAACAAGCTGAAGAAGCGTTCTGCGGAAGCCGAACGTGGCGAGGCCGG
CGAGCAGTTCGGACAGCTGGGCCGGGAGCTGCGCGCCAGGAGTGTCTGCCCTACCGGCCCTGGTCCAG
CTGGCGGTGGCGCTGCCAGCAGGCGCTTCCACGGGCCCGGGAGGCGCTGGCCCTACCGAGGCCG
CCCGCCTCTTCTGCGGCAGGAGCGGACGCGCCAGCGCTGGTCTGCCCCGCCCTACGGGGAGCC
GCTGCAGGCCGCCAGCGCCCTGGGCGCCGCGTGCCTGACCTCGAGCTGGGCCAGCCGGCCGCC
GCCCGCCCTCTGCCTCGAGCTGGCGCGCCCTGCGCGACCTGGGCCAGCCGGCCGCCCGCCGGT
ACTTCCAGCGCGCCAGCTCCAGCTGCCCCAGCTGCCCTGGCCGCGCTGCAGGCGCTTGGCGAGGC
CGCCTCTGCCAGCTGCTGGCGCGGACTACACCGGCGCCCTGGCGGTCTTACGCGCATGCAGCGCCTG
GCGCGGAGCACGGCAGCCACCCGGTGCAGTCACTGCCGCGCCCGCCGCCCGGACCCAGCCCGGGC
CCGGGGCAGCGCCCGCTACCGGCCGCGCTGCTTCTCCGAACCTCCGGTCCGGCGGCGCCCTCTCCCG
CGCCCTGGGCGCCTTCTCGGACGTGCTGGTCCGCTGCGAGGTGTCCCGCTGCTGCTGCTCTCTCTG
CAACCACCGCCCGCAAGCTGCTGCCGAGCACGCCAGACCTGGAGAAGTACTCTGGGAGGCTTTTG
ACAGCCACGGGCAGGAGAGCAGCGCCAGCTTCCGAGGAGCTTTCTGCTGCTCCAGTCTTTGGTCA
GGCTACCCACGAAAAGGACACGGAAGCCATCAAGTCGCTGCAGGTGGAGATGTGGCCACTGTTGACTGCT
GAGCAGAACCACCTCTTACCTCGTTCTGCAAGAAACCTCTCCCCCTCAGGACAGGGAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTAA



[View online »](#)

Protein Sequence: >RC217606 representing NM_001007524
Red=Cloning site Green=Tags(s)

MAAAAAGLGGGGAGPGPEAGDFLARYRLVSNLKKRFLRKNVAEAGEQFGQLGRELRAQECLPYAAWCQ
 LAVARCQQALFHGPGEALALTEAARLFLRQERDARQLVCPAAAYGEPLQAAASALGAAVRLHLELGQPAA
 AAALCLELAAALRDLGQPAAGHFQRAAQLQLPQLPLAALQALGEAASCQLLARDYTGALAVFTRMQR
 AREHGSHPVQSLPPPPPPAPQPGGATPALPAALLPPNSGSAAPSPAALGAFSDVLVRCVSRVLLLLLL
 QPPPAKLLPEHAQTLEKYSWEAFDSHGQESSGQLPEELFLLLQSLVMATHEKDTAIAKSLQVEMWPLLTA
 EQNHLLHLVLQETISPSGGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8015_a07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001007524.2](#)

RefSeq Size: 1116 bp

RefSeq ORF: 1116 bp

Locus ID: 474384

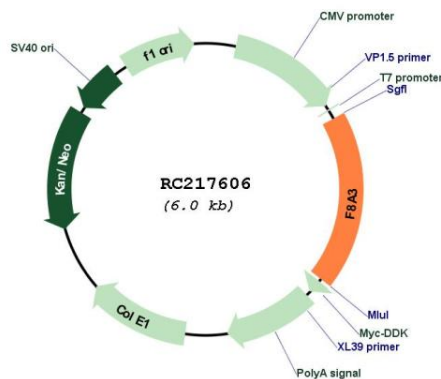
UniProt ID: [P23610](#)

Cytogenetics: Xq28

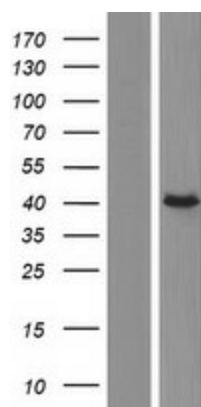
MW: 38.9 kDa

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 RC217606



Western blot validation of overexpression lysate (Cat# [LY423494]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217606 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).