

## Product datasheet for **RC207473**

### F8A2 (NM\_001007523) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | F8A2 (NM_001007523) Human Tagged ORF Clone                        |
| Tag:                      | Myc-DDK   |
| Symbol:                   | F8A2  |
| Synonyms:                 | HAP40   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >RC207473 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCAGCGGCTGCAGGCCTGGGCGCGCGCGCCGGCCCGGACCCGAGGCCGGGACTTCTGG  
CCCCTACCGGCTGGTATCGAACAAAGCTGAAGAAGCGTTCTGCGGAAGCCGAACGTGGCGGAGGCCGG  
CGAGCAGTTCGGACAGCTGGGCCGGGAGCTGCGCGCCAGGAGTGTCTGCCCTACCGGCCCTGGTGCCAG  
CTGGCGGTGGCGCTGCCAGCAGGCGCTTCCACGGGCCCGGGAGGCGCTGGCCCTACCGAGGCCG  
CCCGCCTCTTCTGCGGCAGGAGCGGACGCGCCAGCGCTGGTCTGCCCCGCGCCTACGGGGAGCC  
GCTGCAGGCCCGCCAGCGCCCTGGGGCGCGGTGCGTCTGCACCTCGAGCTGGGCCAGCCGGCCGCC  
GCCCGCCCTCTGCCTCGAGCTGGCCGCGCCCTGCGCGACCTGGGCCAGCCGGCCGCCCGCCGGT  
ACTTCCAGCGCGCCCGCCAGCTCCAGCTGCCCCAGCTGCCCTGGCCGCGCTGCAGGCGCTTGGCGAGGC  
CGCCTCTGCCAGCTGCTGGCGCGGACTACACCGGCGCCCTGGCGGTCTTACGCGCATGCAGCGCCTG  
GCGCGGAGACAGGCAGCCACCCGGTGCAGTCACTGCCCGCCCGCCCGCCCGCCAGCCCGCCGGG  
CCGGGGCAGCGCCCGCCTACCGGCCGCGCTGCTTCTCCGAACCTCCGGCTCGGCGGCGCCCTCTCCCG  
CGCCCTGGGCGCCTTCTCGGACGTGCTGGTCCGCTGCGAGGTGTCCCGCTGCTGCTGCTCTCTCTG  
CAACCACCGCCCGCAAGCTGCTGCCGAGCAGCCAGACCTGGAGAAGTACTCTGGGAGGCTTTTG  
ACAGCCACGGGCAGGAGAGCAGCGCCAGCTTCCGAGGAGCTTTCTGCTGCTCCAGTCTTTGGTCA  
GGCTACCCACGAAAAGGACACGGAAGCCATCAAGTCGCTGCAGGTGGAGATGTGGCCACTGTTGACTGCT  
GAGCAGAACCACCTCTTACCTCGTTCTGCAAGAAACCATCTCCCCCTCAGGACAGGGAGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RC207473 protein sequence  
Red=Cloning site Green=Tags(s)

MAAAAAGLGGGGAGPGPEAGDFLARYRLVSNLKKRFLRKNVAEAGEQFGQLGRELRAQECLPYAAWCQ  
 LAVARCQQALFHGPGEALALTEAARLFLRQERDARQLVCPAAAYGEPLQAAASALGAAVRLHLELGQPAA  
 AAALCLELAAALRDLGQPAAGHFQRAAQQLPQLPLAALQALGEAASCQLLARQDYGALAVFTRMQR  
 AREHGSHPVQSLPPPPPPAPQPGGATPALPAALLPPNSGSAAPSPAALGAFSDVLVRCVSRVLLLLLL  
 QPPPAKLLPEHAQTLEKYSWEAFDSHGQESSGQLPEELFLLLQSLVMATHEKDTAIAKSLQVEMWPLLTA  
 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:**



\* The last codon before the Stop codon of the ORF

**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:**

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

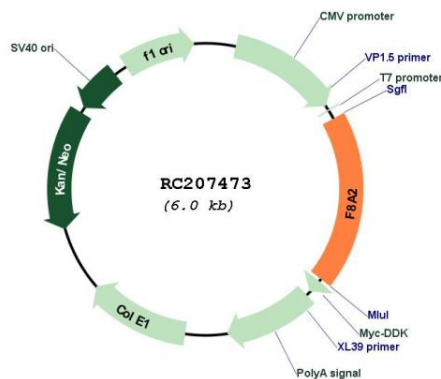
**UniProt ID:** [P23610](#)

**Cytogenetics:** Xq28

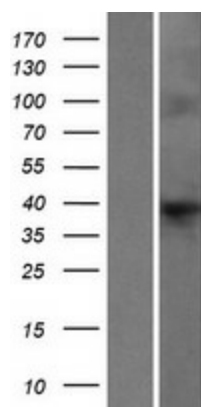
**MW:** 39.1 kDa

**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 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]

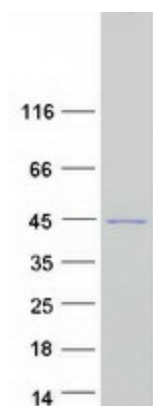
## Product images:



Circular map for RC207473



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]).



Coomassie blue staining of purified F8A2 protein (Cat# [TP307473]). The protein was produced from HEK293T cells transfected with F8A2 cDNA clone (Cat# RC207473) using MegaTran 2.0 (Cat# [TT210002]).