

## Product datasheet for **MR209759**

### **Faf1 (NM\_007983) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Faf1 (NM_007983) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Faf1
Synonyms:	AA408698; Dffrx; Fam
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>MR209759 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGTCCAACATGGACCGGGAGATGATCCTTCCGGATTTTCAGGCATGTACTGGTATTGAAAACATCG  
 ATGAAGCTATTACACTGCTTGAGCAAAATAACTGGGACTTGGTGGCAGCTATTAATGGTGTAAATACCACA  
 GGAAAATGGCATTCTACAAAGTGACTTTGGAGGTGAGACCATGCCAGGACCCACATTTGATCCAGCAAGT  
 CACCCTGCTCCAGCTTCAACTCCCTCTTCTCAGCGTTTCGACCTGTAATGCCATCCAGGCAGATTGTAG  
 AAAGGCAGCCTCGAATGCTAGACTTCAGAGTTGAATACAGAGACAGAAATGTTGATGTGGTACTTGAAGA  
 CAGCTGTACTGTTGGAGAGATCAAACAGATTCTAGAAAATGAGCTTCAGATACCTGTGCCTAAAATGCTG  
 TTTAAAGGCTGGAAGACTGGAGACGTGGAAGACAGTACGGTCTTAAAATCACTACACTTGCCAAAAAACA  
 ACAGTCTTTATGCTTACACCAGACTTGCCACCGCCTTCATCATCCAGCCATGCTGGTGCCTGCAGGA  
 ATCATTAATCAAACCTCATGTGATCATCACCCACCGAGAGGTCCAGCGGGAGTACAACCTGAACCTC  
 TCAGGAAGCAGTACCGTTCAAGAGGTAAGAGAAATGTGTATGACCTTACAAGCATACCTGTTCCGACATC  
 AGTTATGGGAGGGCTGGCCAGCTTCTGCCACCGATGACTCAATGTGTCTTGTGTAATCAGGCCTCTCTTA  
 TCCTGCCATCGATTAAGTGTGGGAAGAAGAACTTACCTGTACAGACCCGTGAGCAATCAGAAGAGCAA  
 AGCACGGATGTTCATATGGTTAGTGATAGTGATGGCGATGACTTTGAAGATGCTTCAGAAATTTGGAGTGG  
 ATGACGGAGAAGTATTTGGCATGGCATCATCTACCCTGAGAAAATCTCCAATGATGCCAGAAAACGCAGA  
 AAATGAAGGAGATGCCTTATTACAATTTACAGCAGAGTTTTCTTCAAGATATGGTACTGCCATCCTGTA  
 TTTTTTATTGGCTCATTAGAAGCTGCTTCCAAGAGGCCTTCTATGTGAAAGCCCGAGACAGAAAACCTC  
 TTGCTATCTACCTCCACCATGATGAAAGTGTACTAACCAACGTGTCTGCTCACAATGCTTTGTGCTGA  
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 CAGATCAGTTTCCACTTTTCTGATTATCATGGGAAAGCGATCATCTAATGAAGTGTAAATGTGATACA  
 AGGTAATACAACAGTGGATGAGTTAATGATGAGACTCATGGCTGCAATGGAGATTTTCTCAGCTCAACAA  
 CAGGAAGACATTAAGGATGAGGATGAACGTGAAGCCAGAGAAAATGTGAAGAGAGAGCAAGATGAGGCCT  
 ATCGCCTTCCCTCGAAGCCGACAGGGCAAAGAGAGAAGCTCATGAGAGAGAGATGGCAGAACAGTTTCG  
 TTTGGAGCAGATTCGAAAGAACAAGAAGAAGAACTGAGGCCATCAGACTCTCCTTAGAACAAGCCCTT  
 CCTCCAGAGCCGAAGGAAGAAAATGCTGAGCCTGTTAGCAAGCTTCGGATTTCGAACCCCAAGTGGCGAGT  
 TCCTGGAACGGCGTTTCCCTGGCCAGCAATAAGCTCCAGATTGTCTTTGATTTCTGGCTTCCAAGGGATT  
 TCCATGGGATGAATTAAGTTACTGAGCACCTTTCCTAGGAGAGATGTAACCTCAGCTAGACCCCAATAAG  
 TCATTATTGGAGGTAACCTGTTCCCTCAAGAAACCTTTTCTTCAAGCAAAAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR209759 protein sequence  
Red=Cloning site Green=Tags(s)

```
MASNMDREMILADFQACTGIENIDEAITLLEQNNWDLVAAINGVIPQENGILQSDFGGETMPGPTFDPAS
HPAPASTPSSSAFRPVMPSRQIVERQPRMLDFRVEYDRNVDVLEDSCTVGEIKQILENELQIPVKML
LKGWKTGDVEDSTVLKSLHLPKNNSLYLTPDLPPSSSSSHAGALQESLNQNFMLIITHREVQREYNLNF
SGSSTVQEYKRNVDLTSIPVRHQLWEGWPASATDDSMCLAESGLSYPCHRLTVGRRTSPVQTRQSEEQ
STDVHMVSDSDGDDFEDASEFGVDDGEVFGMASSTLRKSPMPENAENEGDALLQFTAESSRYGDCHPV
FFIGSLEAAFQAEFYVKARDRKLAIYLHHDSEVLTNVFCSQMLCAESIVSYLSQNFITWAWDLTKDTNR
ARFLTMCNRHFGSVIAQTIRTQKTDQFPLFLIIMGKRSSNEVLNVIQGNNTVDELMMRLMAAMEIFSAQQ
QEDIKDEDEREARENKREQDEAYRLSLEADRAKREAHREMAEQFRLEQIRKEQEEEREAIRLSLEQAL
PPEPKEENAEPVSKLRIRTPSGEFLERRFLASNKLQIVDFVASKGFPWDEFKLLSTFPRRDVTQLDPNK
SLLEVNLFQPQETLFLQAKE
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_007983

**ORF Size:** 1950 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\\_007983.2](#), [NP\\_032009.2](#)

**RefSeq Size:** 4452 bp

**RefSeq ORF:** 1950 bp

**Locus ID:** 14084

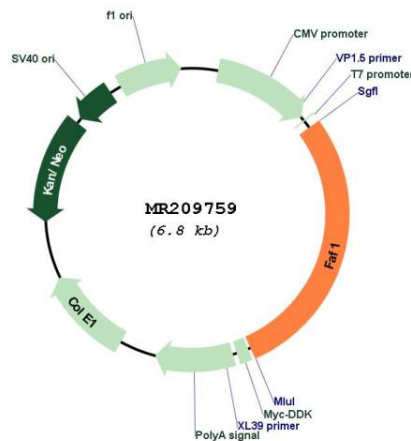
**UniProt ID:** [P54731](#)

**Cytogenetics:** 4 51.33 cM

**MW:** 73.9 kDa

**Gene Summary:** Ubiquitin-binding protein (By similarity). Required for the progression of DNA replication forks by targeting DNA replication licensing factor CDT1 for degradation (By similarity). Potentiates but cannot initiate FAS-induced apoptosis (PubMed:8524870).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR209759