

## Product datasheet for **MG209759**

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

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Faf1 (NM_007983) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Faf1
Synonyms:	AA408698; Dffrx; Fam
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG209759 representing NM\_007983  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGTCCAACATGGACCGGGAGATGATCCTTGGCGATTTTCAGGCATGTACTGGTATTGAAAACATCG  
 ATGAAGCTATTACACTGCTTGGCAAAAATACTGGGACTTGGTGGCAGCTATTAATGGTGTAAATACCACA  
 GGAAAATGGCATTCTACAAAGTGACTTTGGAGGTGAGACCATGCCAGGACCCACATTTGATCCAGCAAGT  
 CACCCTGCTCCAGCTTCAACTCCCTCTTCTCAGCGTTTCGACCTGTAATGCCATCCAGGCAGATTGTAG  
 AAAGGCAGCCTCGAATGCTAGACTTCAGAGTTGAATACAGAGACAGAAATGTTGATGTGGTACTTGAAGA  
 CAGCTGTACTGTTGGAGAGATCAAACAGATTCTAGAAAATGAGCTTCAGATACCTGTGCCTAAAATGCTG  
 TTTAAAGGCTGGAAGACTGGAGACGTGGAAGACAGTACGGTCTTAAAATCACTACACTTGCCAAAAACA  
 ACAGTCTTTATGCTTACACCAGACTTGCCACCGCCTTCATCATCCAGCCATGCTGGTGCCTGCAGGA  
 ATCATTAATCAAACCTCATGTGATCATCACCCACCGAGAGGTCCAGCGGGAGTACAACCTGAACCTC  
 TCAGGAAGCAGTACCGTTCAAGAGGTAAGAGAAAATGTGTATGACCTTACAAGCATACCTGTTCCGATC  
 AGTTATGGGAGGGCTGGCCAGCTTCTGCCACCGATGACTCAATGTGTCTTGTGTAATCAGGCCTCTCTTA  
 TCCTGCCATCGATTAAGTGTGGGAAGAAGAACTTACCTGTACAGACCCGTGAGCAATCAGAAGAGCAA  
 AGCACGGATGTTCATATGGTTAGTGATAGTGATGGCGATGACTTTGAAGATGCTTCAGAAATTTGGAGTGG  
 ATGACGGAGAAGTATTTGGCATGGCATCATCTACCCTGAGAAAATCTCCAATGATGCCAGAAAACGCAGA  
 AAATGAAGGAGATGCCTTATTACAATTTACAGCAGAGTTTTCTTCAAGATATGGTACTGCCATCCTGTGTA  
 TTTTTATTGGCTCATTAGAAGCTGCTTCCAAGAGGCCTTCTATGTGAAAGCCCGAGACAGAAAACCTC  
 TTGCTATCTACCTCCACCATGATGAAAGTGTACTAACCAACGTGTTCTGCTCACAAATGCTTTGTGCTGA  
 ATCCATTGTTTCCCTATCTGAGTCAAAATTTTATAACCTGGGCTTGGGATCTGACAAAGGACACCAACAGA  
 GCAAGATTTCTGACAATGTGCAATAGACACTTTGGCAGCGTTATTGCACAACTATTTCGGACTCAAAGA  
 CAGATCAGTTTCCACTTTTCTGATTATCATGGGAAAGCGATCATCTAATGAAGTGTAAATGTGATACA  
 AGGTAATAACAACAGTGGATGAGTTAATGATGAGACTCATGGTGCATGGAGATTTTCTCAGCTCAACAA  
 CAGGAAGACATTAAGGATGAGGATGAACGTGAAGCCAGAGAAAATGTGAAGAGAGAGCAAGATGAGGCCT  
 ATCGCCTTTCCCTCGAAGCCGACAGGGCAAAGAGAGAAGCTCATGAGAGAGAGATGGCAGAACAGTTTCG  
 TTTGGAGCAGATTCGAAAGAACAAGAAGAAGACGTGAGGCCATCAGACTCTCCTTAGAACAGCCCTT  
 CCTCCAGAGCCGAAGGAAGAAAATGCTGAGCCTGTAGCAAGCTTCGGATTTCGAACCCCACTGGCGAGT  
 TCCTGGAACGGCGTTTCCCTGGCCAGCAATAAGCTCCAGATTGTCTTTGATTTCTGGCTTCCAAGGGATT  
 TCCATGGGATGAATTCAGTTACTGAGCACCTTCTTAGGAGAGATGTAACCTCAGCTAGACCCCAATAAG  
 TCATTATTGGAGGTAACCTGTTCCCTCAAGAAACCTTTTCTTCAAGCAAAAGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG209759 representing NM\_007983  
 Red=Cloning site Green=Tags(s)

MASNMDREMILADFQACTGIENIDEAITLLEQNNWDLVAAINGVIPQENGILQSDFGGETMPGPTFDPAS  
 HPAPASTPSSSAFRPVMPSRQIVERQPRMLDFRVEYRDRNVDVLEDSCTVGEIKQILENELQIPVPMKML  
 LKGWKTGDVEDSTVLKSLHLPKNNSLYVLPDLPPSSSSSHAGALQESLNQNFMLIITHREVQREYNLNF  
 SGSSTVQEVKRNVDLTSIPVRHQLWEGWPASATDDSMCLAESGLSYPCHRLTVGRRTSPVQTRREQSEEQ  
 STDVHMVSDSDGDDFEDASEFGVDDGEVFGMASSTLRKSPMPENAENEGDALLQFTAESSRYGDCHPV  
 FFIGSLEAAFQEAIFYVKARDRLLAIYLHHDSEVLTNVFCQMLCAESIVSYLSQNFITWAWDLTKDTNR  
 ARFLTMCNRHFGSVIAQTIRTQKTDQFPLFLIIMGKRSSNEVLNVIQGNTTVDELMMLMAAMEIFSAQQ  
 QEDIKDEDEREARENKREQDEAYRLSLEADRAREHEREMAEQFRLEQIRKEQEEEREAIRLSLEQAL  
 PPEPKEENAEPVSKLRIRTPSGEFLERRFLASNKLQIVDFVASKGFPWDEFKLLSTFPRRDVTLQDPNK  
 SLLEVNLFPQETLFLQAKE

**TRTRPLE** - GFP Tag - V



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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_007983.2</a> , <a href="#">NP_032009.2</a>
<b>RefSeq Size:</b>	4452 bp
<b>RefSeq ORF:</b>	1950 bp
<b>Locus ID:</b>	14084
<b>UniProt ID:</b>	<a href="#">P54731</a>
<b>Cytogenetics:</b>	4 51.33 cM
<b>Gene Summary:</b>	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]