

Product datasheet for **RG201072**

FAF1 (NM_007051) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAF1 (NM_007051) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAF1
Synonyms:	CGI-03; hFAF1; HFAF1s; UBXD12; UBXN3A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG201072 representing NM_007051
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGTCCAACATGGACCGGGAGATGATCCTGGCGGATTTTCAGGCATGTACTGGCATTGAAAACATTG
 ACGAAGCTATTACATTGCTTGAACAAAATAATTGGGACTTAGTGGCAGCTATCAATGGTGTAAATACCACA
 GGAAAATGGCATTCTACAAAGTGAATATGGAGGTGAGACCATACCAGGACCTGCATTTAATCCAGCAAGT
 CATCCAGCTTCAGCTCCTACTTCTCTTCTTCTCAGCGTTTTCGACCTGTAATGCCATCCAGGCAGATTG
 TAGAAAGGCAACCTCGGATGCTGGACTTCAGGGTTGAATACAGAGACAGAAATGTTGATGTGGTACTTGA
 AGACACCTGTACTGTTGGAGAGATTAACAGATTCTAGAAAATGAACTTCAGATACCTGTGTCCAAAATG
 CTGTTAAAAGGCTGGAAGACGGGAGATGTGAAGACAGTACGGTCTAAAATCTACACTTGCCAAAAA
 ACAACAGTCTTTATGTCCTTACACCAGATTTGCCACCACCTTCATCATCTAGTCATGCTGGTGCCTGCA
 GGAGTCATTAATCAAACTTCATGCTGATCATCACCCACCGAGAAGTCCAGCGGAGTACAACCTGAAC
 TTCTCAGGAAGCAGTACTATTCAAGAGGTAAAGAGAAATGTGTATGACCTTACAAGTATCCCGTTCCGCC
 ACCAATTATGGGAGGGCTGGCCAACTTCTGCTACAGACGACTCAATGTGTCTTGCTGAATCAGGGCTCTC
 TTATCCCTGCCATCGACTTACAGTGGGAAGAAGATCTTCACTGCACAGACCCGGGAACAGTCGGAAGAA
 CAAATCACCGATGTTTATGTTAGTGATAGCGATGGAGATGACTTTGAAGATGCTACAGAATTTGGGG
 TGGATGATGGAGAAGTATTTGGCATGGCGTCATCTGCCTTGAGAAAATCTCCAATGATGCCAGAAAACGC
 AGAAAATGAAGGAGATGCCTTATTACAATTTACAGCAGAGTTTTCTTCAAGATATGGTGATTGCCATCCT
 GTATTTTTTATTGGCTCATTAGAAGCTGCTTTTCAAGAGGCCCTTCTATGTGAAAGCCCGAGATAGAAAGC
 TCTTGTCTACTCCACCATGATGAAAGTGTGTTAACCAACGTGTTCTGCTCACAAATGCTTTGTGC
 TGAATCCATTGTTTCTTATCTGAGTCAAAAATTTATAACCTGGGCTTGGGATCTGACAAAAGGACTCCAAC
 AGAGCAAGATTTCTCACTATGTGCAATAGACACTTTGGCAGTGTGTGGCACAAAACCTTCGGACTCAAA
 AAACGGATCAGTTTCCGCTTTTCTGATTATTATGGGAAAGCGATCATCTAATGAAGTGTGAATGTGAT
 ACAAGGGAACACAACAGTAGATGAGTTAATGATGAGACTCATGGCTGCAATGGAGATCTTACAGCCCAA
 CAACAGGAAGATATAAAGGACGAGGATGAACGTGAAGCCAGAGAAAATGTGAAGAGAGAGCAAGATGAGG
 CCTATCGCTTTCCTTGGAGCTGACAGAGCAAAGAGGGAAGCTCACGAGAGAGATGGCAGAACAGTT
 TCGTTTGGAGCAGATTCGCAAAGAACAAGAAGAGGAACGTGAGGCCATCCGGCTGTCTTAGAGCAAGCC
 CTGCCTCTGAGCAAAGGAAGAAAATGCTGAGCCTGTGAGCAAACCTGCGGATCCGGACCCCAAGTGGCG
 AGTTCTTGAGCGCGCTTCTGCGCCAGCAACAAGCTCCAGATTGTCTTTGATTTGTAGCTTCAAAGG
 ATTTCCATGGGATGAGTACAAGTTACTGAGCACCTTCTTAGGAGAGACGTAACCTCAACTGGACCCAAAT
 AAATCATTATTGGAGGTAAGATTGTTCCCTCAAGAAACCTTTTCTTGAAGCAAAAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG201072 representing NM_007051
 Red=Cloning site Green=Tags(s)

MASNMREMILADFQACTGIENIDEAITLLEQNNWDLVAAINGVIPQENGILQSEYGGETIPGPAFNPAS
 HPASAPTSSSSSAFRPVMPQRSQIVERQPRMLDFRVEYRDRNVDVLEDTCTVGEIKQILENELQIPVSKM
 LLKGWKTGDVEDSTVLKSLHLPKNNSLYVLPDLPPSSSSSHAGALQESLNQNFMLIITHREVQREYNLN
 FSGSSTIQEVKRNVDYDLSIPVRHQLWEGWPTSATDDSMCLAESGLSYPCHRLTVGRRSSPAQTREQSEE
 QITDVHMYSDSDGDDFEDATEFGVDDGEVFGMASSALRKSPMPENAENEGDALLQFTAEFSSRYGDCHP
 VFFIGSLEAAAFQEAIFYVKARDRLLAIYLLHHDESVLTNVFCSQLCAESIVSYLSQNFITWAWDLTKDSN
 RARFLTMCNRHFGSVVAQTIRTQKTDQFPLFLIIMGKSSNEVLNVIQGNNTVDELMMLMAAMEIFTAQ
 QQEDIKDEDEREARENKREQDEAYRLSLEADRAKREAHREMAEQFRLEQIRKEQEEEREAIRLSLEQA
 LPPEPKEENAEPVSKLRIRTPSGEFLERRFLASNKLQIVDFVASKGFPWDEYKLLSTFPRRDVTLQDPN
 KSLLEVKLFPPQETLFLAKE

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_007051

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_007051.3](#)

RefSeq Size: 2610 bp

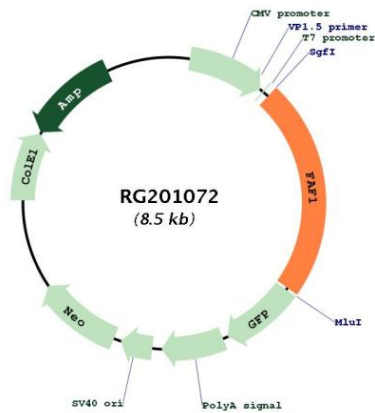
RefSeq ORF: 1953 bp

Locus ID: 11124

UniProt ID: [Q9UNN5](#)

Cytogenetics: 1p32.3
Domains: UBX, UAS
Protein Families: Druggable Genome
Gene Summary: Interaction of Fas ligand (TNFSF6) with the FAS antigen (TNFRSF6) mediates programmed cell death, also called apoptosis, in a number of organ systems. The protein encoded by this gene binds to FAS antigen and can initiate apoptosis or enhance apoptosis initiated through FAS antigen. Initiation of apoptosis by the protein encoded by this gene requires a ubiquitin-like domain but not the FAS-binding domain. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201072