

Product datasheet for **RG228789**

AFAF (EQTN) (NM_001161585) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AFAF (EQTN) (NM_001161585) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: EQTN
Synonyms: AFAF; C9orf11; SPACA8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG228789 representing NM_001161585
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATTTTATATTGTTTATTTTATACCTGGAGTTTTTTCCTTAAAAAGTAGCACTTTGAAGCCTACTA
TTGAAGCATTGCCTAATGTGCTACCTTTAAATGAAGATGTTAATAAGCAGGAAGAAAAGAATGAAGATCA
TACTCCCAATTATGCTCCTGCTAATGAGAAAAATGGCAATTATTATAAAGATATAAAACAATATGTGTT
ACAACACAAAATCAAAATGGCACTGAGTCTGAAATATCTGTGAGAGCCACAACCTGACCTGAATTTTGCTC
TAAAAACGGATCAACCCAAACGTGCCTGCAATTTGGACAATGTTAGCTAAAGCTATAAATGGAACAGC
AGTGGTCATGGATGATAAAGATCAATTATTTACCCAATTCAGAGTCTGATGTGAATGCTACACAGGGA
GAAAATCAGCCAGATCTAGAGGATCTGAAGATCAAAAATATGCTGGGAATCTCGTTGATGACCCTCCTCC
TCTTTGTGGTCTCTTGGCATTCTGTAGTGCTACACTGTACAAACTGAGGCATCTGAGTTATAAAGTTG
TGAGAGTCAGTACTCTGTCAACCCAGAGCTGGCCACGATGTCTTACTTTTCATCCATCAGAAGGTGTTTCA
GATACATCCTTTTCCAAGAGTGCAGAGAGCAGCACATTTTGGGTACCCTTCTTCAGATATGAGAAGAT
CAGGCACAAGAACATCAGAATCTAAGATAATGACGGATATCATTCCATAGGCTCAGATAATGAGATGCA
TGAACACGATGAGTCGGTTACCCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228789 representing NM_001161585
 Red=Cloning site Green=Tags(s)

MNFILFIFIPGVFSLKSSSTLKPTIEALPNVLPLNEDVVKQEEKNEDHTPNYAPANEKNGNYYKDIKQYVF
 TTQNPNGTESEISVRATTDLNFALKNGSTPNVPAFWTMLAKAINGTAVVMDDKDLFHPIPESDVNATQG
 ENQPDLEDLKIKIMLIGISLMTLLLFVLLAFCSATLYKLRHLSYKSCESQYSVNPELATMSYFHPSEGV
 DTSFSKSAESSTFLGTTSSDMRRSGTRTSESKIMTDIIISIGSDNEMHENDESIVTR

TRTRPLE - GFP Tag - V

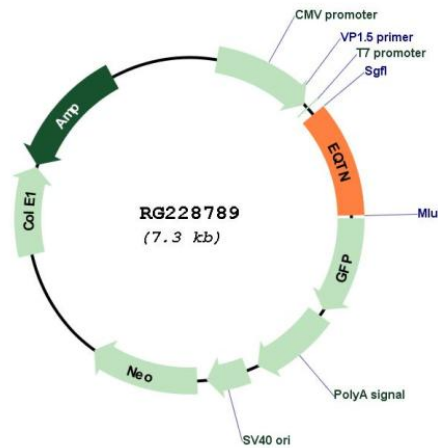
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001161585

ORF Size: 795 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:	<ol style="list-style-type: none">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_001161585.1 , NP_001155057.1
RefSeq Size:	962 bp
RefSeq ORF:	798 bp
Locus ID:	54586
UniProt ID:	Q9NQ60
Cytogenetics:	9p21.2
Protein Families:	Transmembrane
Gene Summary:	Acrosomal membrane-anchored protein involved in the process of fertilization and in acrosome biogenesis.[UniProtKB/Swiss-Prot Function]