

Product datasheet for **RG234290**

F115A (TCAF1) (NM_001206941) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F115A (TCAF1) (NM_001206941) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	F115A
Synonyms:	FAM115A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234290 representing NM_001206941
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCAGGAAGAGAGGAAATGTGAAAAGGGCTGGTTGGCAAAGCTGGGACCAGATGGTGCAGCTTTCC
 TGCAGATTCCTCGAGAAGAGATCCCTGCCTACATGTCTGTGCATCGACTCCTGAGGAAGCTGCTAAGTCG
 ATATCGGCTTCCAGTAGCAACCCGAGAGAACCCTGTTATCAATGACTGCTGCAGAGGTGCTATGCTTTCC
 CTGGCCACAGGGCTGGCCCACTCTGGAAGCGACCTCTCTCTGTTAGTCCCAGAAATTGAAGATATGTACA
 GCAGCCCTATCTGCGCCCTCAGAATCTCTATCACCGTCGAGGTCAACTGCACCAATCCAGGCACAG
 ATATTGCTGGATGAGTACTGGGCTCTACATACCTGGAAGGCAAATTATAGAAGTCTCACTGCCTGAAGCT
 GCTGCCTCTGCCGACCTGAAGATACAGATTGGCTGCCACACAGATGACCTGACCAGGGCCAGCAAGCTTT
 TCCGAGGCCCACTCGTAATTAACCGGTGCTGCTTGGACAAACCCACAAAATCGATCACGTGCCTCTGGGG
 TGGACTCCTCTATATAATTGTGCCTCAGAACAGCAAAGTGGTTCTGTGCCTGTCAACGTGAAGGGGGCT
 GTGCATGTCTCATACTACAAGCTGGGGGAGACCACCTGGAGGAGTGGAAGAGGCGTATCCAGGAGAATC
 CAGGGCCCTGGGGAGAGCTGGCCACGGACAACATCATTCTGACCGTGCCGACCGCAAATCTCTGACTCT
 GGAGAACCCTGAGCCGCTGCTCCGCTCTGGGATGAGGTGATGCAGGCTGTGGCGGACTGGGAGCTGAG
 CCCTTCCTCTTGGCCTGCCTCAGAGGATTGTTGCCGACGTGCAGATCTCAGTGGGCTGGATGCATGCAG
 GGTACCCCATCATGTGCCATCTGGAGTCAGTGCAGGAGCTCATCAACGAGAAGCTCATCAGAACCAAGGG
 GCTGTGGGGCCCGTCCATGAGCTGGGCCGCAACCAGCAGCGGAGGAGTGGGAGTTCCACACACACACC
 ACCGAGGCCACCTGCAACCTGTGGTGTGTGTATGTGCATGAGACGGTCTTGGGCATTCTCGAAGCCGTG
 CCAATATTGCTCTGTGGCCCCAGTTCGGGAGAAGAGAGTCAAGTCTACCTGAGCAAGGGTCCCAATGT
 GAAAACTGGAATGCATGGACCGCACTGGAACGTATTTACAGCTCCAGGAAGCCTTTGGTTGGGAGCCA
 TTCATCCGTCTCTTACCAGGTACAGGAACAGACCAACTTGCCACAGAAAATGTTGACAAAATGAATC
 TGTGGGTCAAGATGTTCTCCACCAAGTGCAGAAGAACCTGGCTCCGTTCTTTGAGGCCTGGGCCTGGCC
 CATCCAGAAGGAAGTGGCTACCAGCCTGGCCTATCTGCCTGAATGGAAGGAAAATATTATGAAATTGTAC
 CTCCTCACACAGATGCCCCAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

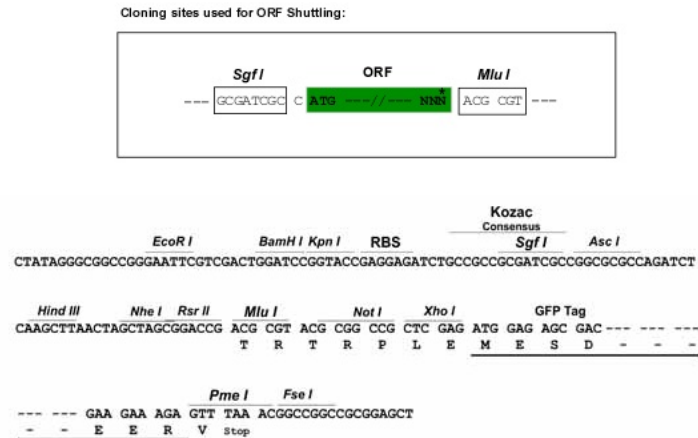
>RG234290 representing NM_001206941
 Red=Cloning site Green=Tags(s)

MGRKRGVNEKGLAKLGPDGAFLQIPAEIIPAYMSVHRLLRKLLSRYRLPVATRENPVINDCCRGAMLS
 LATGLAHSGSDLSSLVPEIEDMYSSPYLRPSESPTVEVNCTNPTRYCWMSTGLYIPGRQIEVSLPEA
 AASADLKIQIGCHTDDLTRASKLFRGPLVINRCCLDKPTKSITCLWGGLLYIIVPQNSKLSVPVTVKGA
 VHAPYYKLGETTLEEWKRRIQENPGPWGELATDNIILTVPTANLRTLENPELLRLWDEVMQAVARLGA
 PFPLRLPQRIVADVQISVGWMHAGYPIIMCHLESVQELINEKLIRTKGLWGPVHELGRNQQRQEWEPFPH
 TEATCNLWCYVYHETVLGIPRSRANIALWPPVREKRVRIYLSKGPVNKNWNAWTALETYLQLQEAFGWEP
 FIRLFTEYRNQTNLPTENVDKMNLWVKMFESHQVQKNLAPFFEAWAPIQKEVATSLAYLPEWKENIMKLY
 LLTQMPH

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001206941

ORF Size: 1491 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_001206941.2](#)

RefSeq Size: 5093 bp

RefSeq ORF: 1494 bp

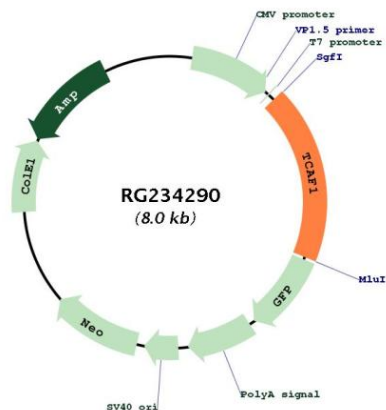
Locus ID: 9747

UniProt ID: [Q9Y4C2](#)

Cytogenetics: 7q35

Gene Summary:

Positively regulates the plasma membrane cation channel TRPM8 activity. Involved in the recruitment of TRPM8 to the cell surface. Promotes prostate cancer cell migration inhibition in a TRPM8-dependent manner.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RG234290