

Product datasheet for **SC114873**

F115A (TCAF1) (NM_014719) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F115A (TCAF1) (NM_014719) Human Untagged Clone
Tag:	Tag Free
Symbol:	F115A
Synonyms:	FAM115A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114873 sequence for NM_014719 edited (data generated by NextGen Sequencing)

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ATGGCGACTCCCTCTGCTGCCTTCGAGGCCCTTATGAATGGTGTGACAAGCTGGGATGTA
CCCGAAGATGCTGTTCCATGTGAAGTCTTCTTATTGGAGAGGCTTCATTTCTGTGATG
GTGAATGACATGGGCCAGGTCTCATTGCTGCCTCCTATGGCCGTGGCCGCCTGGTG
GTCGTGTCCCATGAGGACTACTTGGTGAAGCCAGCTCACGCCCTTTCTCCTGAACGCA
GTGGGGTGGCTTTGCTCTTCCCCTGGGGCTCCCATTGGTGTACACCCATCCCTGGCACCT
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TCCCTGGGGTTTACTGTATTGATGCCTACAATGAAACCATGACAGAAAAGCTGGTCAAG
TTCATGAAATGTGGTGGCGGCTTGTCTATAGGAGGACAAGCCTGGGATTGGGCCAACCAG
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CACTGA

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Clone variation with respect to NM_014719.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014719 unedited
 NTTGTGCAATTTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACCCAGCGGTGAC
 CCGAGGCTGGNGCCCGGNAACCAATAGAGCCATGGCGACTCCCTCTGCTGCCCTTCA
 GGCCCTTATGAATGGTGTGACAAGCTGGGATGTACCCGAAGATGCTGTTCCATGTGAAC
 GCTTCTTATTGGAGAGGCTTCATTTCTGTGATGGTGAATGACATGGGCCAGGTCCTCAT
 TGCTGCCTCCTCCTATGGCCGTGGCCGCTGGTGGTCTGTCCCATGAGGACTACTTGGT
 GGAAGCCAGCTCAGCCCTTTCTCCTGAACGAGTGGGGTGGCTTTGCTCTTCCCTGG
 GGCTCCCATTTGGTGTACACCCATCCCTGGCACCTTTGGCCAAAATCCTCGAGGGCTCTGG
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 GAAGATGACCTCTCCGACGACAGAGAAGAGCTTCTGCATGGGATTTCAGAGCTGGACATC
 AGCACCTCGGATTGTTTCCCATCCAGCTGCTAGTGCATGGGNGCTTTAGCCTTTCTTCTA
 GGNTAGATTCTCCATGNGCTGTGTNNATANCGCTGCCCTATGGCCGGCCCCCNCNGNN
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014719 unedited
 TATGGACCGCGGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTATTTCTTCAC
 CTACACTGTCTCTGTTCTCTCTCCAGGAACCTCAACATTACATATTGATTGTCTATGT
 CTTTTTCTTTCTTTATATTTTCTATCTATTTCTTTTGTCTTTATCTGGAGAGATTCT
 CCTCAACTTTATTTTCCAGACTGTATACAAATCTTTTAGCAGTCTTATTTATTTTCA
 AAGAGATCTTCTTATTCTCAGTCTTCTCTTTTCTTTTCTTTTAAAGACAGGGTCT
 CACTCTGTCCCCCAGGCTGGAGTGCAGTGGCACCATCATGGCTCACTGAAGCCTTGAAC
 CCTGGGCTCAAGTGATCTTCCCACTTCATCCTCCCAAGTTGCTAGGACCACAGGCACATG
 CCACCATGCTTGGCTAATTCTTAAAAATCATTTGTAGAGACGGGATGTTGCCATCTTGC
 CTAAGGTGGACTAGAACTTCTGAGTTTTCCGTTTTCTTTGGAGCATCCTGTTTGCATCTT
 AACTCCCCCGCAATTCTCCTTGGAAATGGACCTAACATCCCGCCCCCCCCCACTGGCC
 CTTGCCCCCTCAAAGTTTGCCTTCTTCCACGCCCTCTCATCTTTCTAGTGACATTTTTT
 TCCCCCTCCCCTCCTTACCCGTCTGGGGCTTTCCCTCCCTACCACTCCCCCTGATACCC
 CCCACACCTGTTATCTCTTGTACATGTGCCGATGTCCTCCTCCCTCCCCCACTCTTC
 GGTTGCACCCCCACGCCCCCACTACCCCTCCCATCGAACCCGCCCCACATCCGTCAAC
 GCTTCTCCCCTACAATCTATTTTACTCCGCTCGCCACTACCCCCACACCAATGTGCG
 TTGCCTCTTACATCTTACACCTCCTTGAGTTGCACCGCACGCGGCGAGCGCAGTACCGT
 GCTCGTCTTCGTCTCT

Restriction Sites:

NotI-NotI

ACCN:

NM_014719

Insert Size:

3870 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_014719.1](#), [NP_055534.1](#)

RefSeq Size: 4076 bp

RefSeq ORF: 2766 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]
 Transcript Variant: This variant (1) encodes the longest protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly except for one retained mismatch in the coding region. The genomic coordinates used for the transcript record were based on transcript alignments.