

Product datasheet for **SC106086**

F115A (TCAF1) (AL832802) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F115A (TCAF1) (AL832802) Human Untagged Clone
Tag:	Tag Free
Symbol:	F115A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AL832802, the custom clone sequence may differ by one or more nucleotides

TTCTGTTTCCAGGTGCCTGAGGAACATCTAAATCATCAGGTTATGTCTGAAATAAAGGGAGAGATGCA
AGATTATTGCCTCTACGGGTCTGGATCTATTGATAAAGGAGATTTGGGCGGGTGGGGGGCAAGAAGGAG
TGCAGAGAAGAAAACCTGGGGAACGCATATCGCTGGGGAGGGACAGGCCATGAGGAGAACTAGGAGCAAG
TGCTTTAGGGAAGAGGAATTTACCAGAAGCCACAGAGGGCCTGAGCATGAGGGCTCACACCTGTAGTCCC
AGAGCTTTGGGAGGCCGAGGCAGGAGGATTGCTTGAGGCCACATGCTCTAGACTAGTCTGGGCAACATAG
TGAGGCCCATCTCTAGAAAAAGTTTAAAGTTAGTTGGGAGCAGTGGTGTGTGCCTATAGTCTAGCTAC
TTGGGAGGCTGAGGTGGAAAGATAACTTTAGCCAAGGAGTTCTAGCCTGCAGTGAACATGATAGTACCA
CTGCATCCAGCCTGGGCAACAGAGCAAGGCTGTCTCTTAAAAAAGGAAGCCACAGAGAGAGGGCC
AGGTAAGGACCCAGGCTCTCGTGGATTTTGAATGGAGGTAAACACAGTGTGGGCTGATGCAATCAGTGT
TTGCTGCCCTTGGGCGCTTCGCTTCACCTCTAAGGGGCTCTGCAACGTGATAGAGTTGGGCCAGTGAATT
TGTCAGGTGTCTCTGGCTGTTACTTTTGTCTGTGTGAACCTTTGTTTAGGCCATTTCTGTAGTTAG
TGAACAGAGCAGATAGAGTCCAGTCATTTTGCAGAAATGTTTCCGTTTGGATGATGAAACAAGCTTGATT
GCTGAAGTTGGTCACTCATCCATTGGCATGGTGTAGCCGAGACCTTTGAAATACCTGAGGACACCTC
TTGCCTGTTTATAGAGGTTGCTTCTGTCTGCTGAATAGGGCTTTGTAATTAACCAGGAGGTGCATTTAGC
GACACTGGCCATTTTCTCTGCATACCAAGTCTACAACATCAAAGAAGAAATTTAGGATGAAAGTCTTT
AAAATCTTAGGCCAGGTGCTGCAGCTATTGCCATTGCAAGGACCTGCGGCAGTCCCTGTTGAAAAATGTTT
GTTCTGCATGTGTTCCATGCCAGTTGTTGGCAATAAGATTCTAAGGTTTTGGAAGTACTGCAATG
AAACAACCTTTCTCTGTTAGGGAAGTGTCTGGGCTGTCAAGAATTATCATCAAGAGCAGCAGGTTTTATA
AGATACATGGACCTATTTGGCATTTACCAGCCCTGCCGCTAGGATAGAGGGACAGGGCTGGGCCCAAG
TGTGGGCTTCCCGAAGAGCCAAGCACCAGGCTGCTCATATGGGATGGGTGGGGTGGTGCAGGTGCCCTG
CATGGGTTCCACTGCCCTAAAGAGGGTACAAAGGCCACACCTCCGTGTGTCTGCCAGGGCTGGGTTTCA
GCCTCCCTGGCTTCTCTGGGCACTCTGCCTATCACACAGCGATTCCAATATGATCATATGTTTCAACAGC
CACACTGTCAAAGCAAGGAGAGAAACATTCAGCAACGTTCAAAAACATGTCTCCAGGGATTAAAAA
AACACGGAAGCTTCAATTTCTCCTAGTGGGGAAGTCTTCTTACTCACAGCCTCTTCTGAGTTGGT
GTCTGTCTGAAGCATTCTTTGGAAGCATAGTAAGCGAGGGTTAATTTACCATAGTCGTACACATTTG



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CACGAGATCTAAAGTTTGAGTGCCTTTCATCATCTTTATGTGAATCTCATGCAGCTCTTACAGGAAAA
CAGGAAGAACTGGCCCCATTTTCTAAATGTGGAGACAGGAGGAGGTGAGATGGCTGCCTCTGCCAGCC
GACTGGGAAATGCAGAGCTCAGAGAGACGCAAGTCAGGAGATGTTGATCCAGGGAGCTTTTCACTCTGC
CACCCACCCATCGATGGAAGCACCGACATTATCAAGGCTGCATTTAGATTTCAAACAAAAGCAAGCAA
ACATGCCGGGCTCGTGGTATGCTGTTGTTTTAACCGAAATGATACAGCTCAAAGGGTGAGCAGCCATTAG
TGCTGTGAGCGAAGCGTGATCACACATCTTGATGTTTAGCAACTCAGGAGGTAGCTGAGCCTGGAAGTG
ACTTCTCTGGTATGTAGCAATTCAGAGAATACAAAACCACATTCATTATCTGAAATGGGCTCAGCTGCTT
CTGTGTTTTATCATATAGAGCTGGGAACCTTGATGTGTGTGGTGTGTGCGTGTTTTGCTGCATATACAGA
TAATCACAACTGGAGGCTTCAGCTTGGCTGTTTACACACACACACACACACACACACCCAGCAGA
TACATCACACAGAGTCTCACTGTGTACGTTACTAAGCAGTGGTGTGTTTGAACAGTGTTTGA
ACTTATCAATAACCTTCCTCCAGAAAGGCTCAGCATAGTCTATAGCATATGCTGTGTGTGAAATATAACC
TAAGAAACAGAATGGAATTTGAATCATGACCACTATTGCTATGAGACAGAATCCACAGCATGTGGAGTGGG
GCTGGGGTCAGACTGCCTGAGTGTGTACCCTAGGTGAGTCACATAATAGCTGGGTGAATGGCCAAGTTTT
CACCTTTTTTCCCTCATTTGAAAAATGGGATGATAATAGGAGCTATCCTGAAGGGTGATGATGAGGGTTA
AATTAACAATATAGGTAAGGCTTAGAACAGTGTGTGGCAGATGGTAGGTAAGCCCTTAATAAATATAAA
ATATCATTATTTGTGTCCATCATTTGAGATATATCTCACATCTTATCCAGAGGACTCCCCAACACTCGT
GTTGTCACTTCTCTTTCCTGTCTCTGGGTTCTCTACAAGTCAGTTTTGTACCATGCAGTCTCGCATTG
ATGACATGCAGCATTACTTAGTTCTGTGAATGATTTCGTGTGTCTTAATGTCACCTCCCAACAGACTGTA
AATTTCTTGATGGCAAGAACCATGTAACCTGGTTTTTGTTAGATTTCTGCAACTCAAGACCCAATCCTGGG
CAACTGTTGGCACTTAAACATCCTTCATCACTAGCTGCGTTTCATCACTAGGAAAAACAAAAACCAGGA
ACAACCCGGATGTCCTTCAACAGGGGAGGGGTGACCCAGCCCGTGATGCGTCCGTACACTGTGGATTGC
TGCTCAGCAACGAGGAGGCACAGACTCGGTGCGGGAGCCAGCCTGGGTGACGCTCCGGAGAGCTACCCTG
AGTGGAGAGGGGCAGTCCCACCGTGATTCCATTATATCGCATTTCTTGAATCAGAGAGTTGTGGAGG
GGAAATGAGGAGAGTGGCTGCCGAGATTTGGGGAGGGAATGGGAAAGGGGAAGAGCGGCATCGGGAT
CCTATGACGGAAGCGTTTTGTGTGCTGTGGGTGTCTGTGCGTTTTCTGGCTGTGATGCTGTGCCATTGT
CTTGGGGATGCTGCCATCGGTGGAACTGGGTGGAGCATGTAGGGGACCTCTCTGTATGATTTCTTACA
ACTGCATGTGAATTTACAGTGGTCTCAAATAAACGATTTAATTAACAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for AL832802 unedited

TCAGATTTTGTAAATACGACTCACTATAGGGCGGCCGCGAAATTCGCACGAGGGTAAAAAG
AGATTGCTTGAGGCCACATGTTCTAGACTAGTCTGGGCAACATAGTGAGGCCCATCTCT
AGAAAAAGTTTTAAGTTAGTTGGGAGCAGTGGTGTGTGCCTATAGTCCTAGCTACTTGGG
AGGCTGAGGTGGAAGATAACTTTAGCCAAGGAGTTCTAGCCTGCAGTGAACATGATAG
TACCACTGCACTCCAGCCTGGGCAACAGAGCAAGGCTGTCTCTTAAAAAAAAAAGGAAG
CCACAGAGAGAGGCCAGGTAAAGACCCAGGGTCTCGTGGATTTTGCAATGGAGGTAACA
CAGTGTGGGCTGATGCAATCAGTGTTCGTGCCCTTGGGCGCTTCGCTTCACTCTAAGG
GGCTCTGCAACGTGATAGAGTTGGGCCAGTGAATTTGTGAGGTGTCTTCTGGCTGTTACT
TTTGTCTGTGTGTGAACCTTTGTTTTAGGCCATTTCTGTAGTTAGTGAACAGAGCAGATA
GAGTCCAGTCATTTTGCAAGAAATGTTTCGGTTCGGATGATGAAACAAGCTTGATTGCTGA
AGCTGGTGCACATATCCATTGGCATGGTGCTAGCCCAGACCTTTGAAATACCCTGAGAC
ACCTCTTGCTGTTTATAGAAGTTGCTTCTGTCTGCCTGATAAGGGCTTGTTATTAACCA
NGGAGGTGCATTTTAGCGACACTGGGCCATTTTCTCTGCATACCAAGTCTCCACATCA
AAGAAGAAATTTAGGATGAAAGGTTCTTTTAAAACTTAGGCCACGTGCTGCAGCTATTGC
CATGCAAGGACATCGGCAGTTCTGTGGAAATGGTGTTCCTCGATGTGTCCATGCCA
CTGTTGGGATAAGAAATCTAAGTTTTGGAACAACTACTGCATGAGACACTTTTTTTGTT
GGGAATGCCCT

3' Read Nucleotide Sequence:	>OriGene 3' read for AL832802 unedited <pre> AACTATGNNACCGCGGCCGAATCTAGNGATCGGTTTTTTTTTTTTTTTAAATTAAAT GCTTTATTTTGAGACCACTGTAAATTCACATGCAGTTGTAAGAAATCATACAGAGAGGTC CCCTATATGCTTTACCCAGTTTCCACCGATGGCAGCATCTTACAAGACAATGGTACAGTA TCACAGCTAGGAACTGACAGACACCCACACGACACAAAACGCTTCCGTCACAAGGATCC CGCATGCTGCTCTTCCCCCTTTCCCATTCCTCCTTAACTCTGGCAGCCACTCCTCTG TTCTCCTTTCTATAATTCTGTCATTTCAAGAATGTGATAATAATGGAATCACACGGTGGG ACTGCCCTTCTCCACTCAGGGTAGTTCTCTGGAGCGTCACCCAGGCTGGCTCCCGTATCG AGTCTGTGCCTCCTCGTTGCTGAGCAGCAATCCACAGTGTGACGGATGCATCACGGGCTG GGTCACCTTCCCTTGTGAAGGACATCCGGGTGTTCTCGGTTTTTGGCTATTATCAAT AAAGCTGTATAAACATTTTGTACGCACATGTGTGCAATATACATCTTCACATCTTAAG TTTCAGCTGTTGGATCTAATACCCACTTACAATCCCATACCATCAGATTCTCTTACTTT TTCCTAGTGATGAACGCAGCTAGTGATGAAGGATGTTTAAAGTGCCAACAGTTGCCCAGG ATTGGGCTTGTAGTTGCAGAAATCTAACAAAACAGTTACATGGTTCTTGCCATCAAGAA AATTACAGGCTGTTGGGGAAGTGACATTAGACACCGAATCATTCCCGAACTAAGTAATGC TGCATGTCATCACAAGCGAGACTGCATGGTACAAAACGACTTTGTGAGGAACCCNAAA CCGGAAAGAGAATGACACNCCCATGGTTTGGGAGTTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	AL832802
Insert Size:	3500 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:	AL832802.1
RefSeq Size:	3630 bp
RefSeq ORF:	3630 bp
Locus ID:	9747
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]