

## Product datasheet for **MC200645**

### Tcaf2 (NM\_146174) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tcaf2 (NM_146174) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tcaf2
Synonyms:	Fam115c
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC011487 sequence for NM\_146174  
 CAGCGACAGTCAGCCGGCAGCAACCTCTGTGGTCTGAATTTCTGTCCTGGTTTGTCCGGTGTGGGGCT  
 GAGTGTCCGAGCACTAAGACGACGCTGGGAGGAAATCCTTAAAGTGCCAGAAGGCTACTGGACGCCGTTCC  
 CCAACAGTGTATCTGCTCACAGCAACGGGAGCAACCATGGCAACAACCTCCGATGCTGCTTTTGGAGCC  
 TCATGAATGGAGTGACCGCTGGGATCTCCCTAAAGAATCACTCCAGTGAACCTCTTCTATTGGGGA  
 GGCAGCCTTCCAGTGATGGTGAATGACAAGGGCCAGGTGCTCATTGCTGTTTCTTTCTATGGCCAAGGC  
 CGCCTGGTGGTCTATCCCATGAGAGCTACCTGATGCATGCTGGCTTGGCTCCTTTTCTTCAATGCAG  
 TGAGCTGGCTCTGCCCTCCCGAGGACTCCCATTGAAGTGCATTCTTCTTAGCATCACTAGTTAACAT  
 CCTACGTGGCTCTGGGATAAATGCCTTGGTTGAGCCTGAGCCTGGAGAGGCTCTGGGAGTTTATTGCATT  
 GATGCCTACAACGACACCTTGACCAAGAAGCTGGTCCAGTTTGTGAAGCGTGGTGGAGGCTTGCCTATTG  
 GAGGTCAGGCCTGGAATTGGGCCAGTCAGCATGGCAGTGACAAGGTGCTATTCAGTTTCCCTGGGAACAA  
 GGTGACAAGTGTGGCTGGAGTCTACTTCACAGATGTCTATGGAGATATAAACCAGTTCAAAGTCTCTAAG  
 AAGATAACCAAGATCCCCTGTATATCAGGTGTTGGGAGGAGCTCAGACATGACCAGGACCAGCTTCTGG  
 ATGGAATCTCTATGTTGGATGTCAGGACTGGGGGTGTCCCTCACAGCTGTTGGTGCATGGGTCCCTGGC  
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 GTCAGTCTGGTGGCTTCCGAGAACCCAGGAGCTCTGCTTATAGGTAGTTTCCCTGGGAATGTCAT  
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 ACTCTGGGAGTGATTGCTCCAGATAGCACATAACCTTAGCAGTCAGACCTGCTCCTCAATCTCTCCTC  
 CTCAGAACACCCATTACCGTGGAGATCAATGGAACCAATCCAGGTGACCGTGATGTCTGGATGAGCACT



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GGGCTCTACCTCCTGGAAGGACAAAGCACCGAGATCTCTGTCTCTGAACCTGCTGCCTCTGCAGGTCTGA
AGGTGCAGATTGGATGTCACACTGATGACCTTACCTTTGCCATAAAGCTGTTTCGAGCCCCTGTGGTAAC
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TTACAAATCTTATTTAGGAGAAAATATTGAAGAATAGTGATCTCAGACAAAGTCTGAAAAAGCATGAGTG
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TATGGGCTTTGAAATGAACACATGAATTTAGGAGGGGATAGATATGTGGGGATAGGGGATGAATGAGGAC
ATGGGAAATGGTTTTGATCAAAGCACCTTATATACATGTATAGAATTCTCAACTAATAAAAAATGAAGAAA
ATGCTAGATATAAAAAAAAAAAAAAAAAA
    
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- Restriction Sites:** RsrII-NotI
- ACCN:** NM\_146174
- Insert Size:** 2760 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:** [BC011487](#), [AAH11487](#)

**RefSeq Size:** 4296 bp

**RefSeq ORF:** 2760 bp

**Locus ID:** 232748

**UniProt ID:** [Q921K8](#)

**Cytogenetics:** 6 B2.1

**Gene Summary:** Negatively regulates the plasma membrane cation channel TRPM8 activity. Involved in the recruitment of TRPM8 to the cell surface. Promotes prostate cancer cell migration stimulation in a TRPM8-dependent manner.[UniProtKB/Swiss-Prot Function]