

## Product datasheet for **MC201014**

### **Etf1 (NM\_144866) Mouse Untagged Clone**

#### **Product data:**

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Product Type:             | Expression Plasmids                             |
| Product Name:             | Etf1 (NM_144866) Mouse Untagged Clone           |
| Tag:                      | Tag Free                                        |
| Symbol:                   | Etf1                                            |
| Synonyms:                 | AI463371; D6Ertd109e; ERF; ERF1; SUP45L1; TB3-1 |
| Mammalian Cell Selection: | Neomycin                                        |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)                         |
| E. coli Selection:        | Kanamycin (25 ug/mL)                            |



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**Fully Sequenced ORF:** >BC013717 sequence for NM\_144866  
TGGAGAGAGGGAGCCGGTGTCTACGTCAGAGCCGCCGCCGCCGCGGAGCCGCCGCCGGGAGGAGCAGC  
CGCTGCCGCCCAGGACTGGGCCCTTAGGGAGGAGGAGGCGAGAAGATGGCGGACGACCCAGTGCTGCCG  
ATAGGAACGTGGAGATCTGGAAGATCAAGAAGCTCATTAAAGAGCTTGGAGGCGGCCGCCGCAATGGCAC  
GAGCATGATATCGCTGATCATTACAGCCAAAGACCAGATTTACGAGTGGCAAAAATGTTAGCAGACGAG  
TTTGAACTGCATCTAACATTAAGTCACGAGTAAACCGCCTTTCAGTCTCGGAGCCATCACATCTGTAC  
AACAGAGACTCAAACTTTATAACAAAGTACCTCCAAATGGTCTGGTTGTTTACTGTGGAACAATTGTAAC  
AGAAGAAGGAAAGGAAAAGAAAGTTAACATTGACTTTGAACCTTTCAAACCAATTAATACATCATTGTAT  
TTGTGCGACAATAAGTTTCATACAGAGGCTCTTACAGCGTTACTTTAGATGACAGCAAGTTTGGTTTTA  
TTGTAATAGACGGAAGTGGTGTCTTTTTGGCACGCTCCAAGGAAACACCAGAGAAGTCTGCACAAATT  
CACTGTGGATCTCCCAAAGAAACACGGCAGAGGAGGTCAATCAGCCTTGCCTTTTGGCCGTTTAAGAATG  
GAAAAGAGACATAACTATGTTTCGAAAGTAGCCGAGACTGCTGTGCAGCTGTTTATTTCTGGAGACAAAG  
TGAATGTGGCTGGTTTGGTTTTAGCTGGATCAGCTGACTTTAAACTGAAGTCAAGTCAATCTGACATGTT  
TGACCAGAGGTTGCAATCTAAAGTTTTAAATTAGTTGATATATCCTATGGTGGTAAAAATGGATTCAAC  
CAAGCTATTGAATTATCTACTGAAGTTCTCTCAACGTGAAGTTCATTCAAGAGAAGAAATTAATAGGAC  
GATATTTTGATGAAATTAGCCAGGACACAGGCAAGTACTGTTTTGGAGTTGAAGATACACTAAAGGCTTT  
GGAAATGGGAGCTGTAGAAATTCTAATAGTCTATGAAAATCTGGATATAATGAGATACGTTCTTCATTGC  
CAAGGCACAGAAGAGGAGAAAATTCTCTATTTAACTCCAGAACAAGAGAAGGATAAATCTCACTTCACAG  
ACAAAGAGACTGGACAGGAACACGAAGTATAGAAAGCATGCCTCTCTTGGAAATGGTTTGTCAACAACTA  
TAAAAAATTTGGAGCTACACTAGAAATTGTACAGATAAGTCACAAGAAGGATCAGATTTGTGAAAGGA  
TTTGGTGAATTTGGAGGTATCTTGGCGTACCGAGTAGATTTCCAGGGAATGGAGTACCAAGGAGGAGATG  
ATGAATTTTTTGACCTTGATGACTACTAGGTAGTCGACATGGGTCCGGCAACCGTGCCTCACCCTCCAGC  
ATTCAACCAAGGAGCATACCCGTGGTGGAGTCCAACAGATCCCTGCCTTACAATTGGAGCATTTCCAGA  
ACTTAATCCGTGAGCATTGGATCTGAAAAGAAAAGTGAACAAAACAGACCCCAACCTACACTTTGGT  
TTGTCGTGGTGTGAGCGCAGCAGCCGACAACTAAGTCTCTAAAGGCCACTGTGGACTCATTTAAAAAGAA  
TCCCAGTTTTTACTTTTACTTGATGGTAAAATTGGTTGCTCTTGTATTTTATGAAAAATGATTTTTTTA  
ACCTTCATACATAGAAGCAAAATACTTTAACTGCTGTAAACCTTCAAAGTTAGTAGACGTGGGTGTCATA  
CTGGTTTGTCTTCTTTGATCGGAGAATAACTAAATGCTGCATTTTCGAGTGACCCATTTACATGGC  
ATTCTCGGCTTAGACTGCACAAGAAGAAATATATGTGAAATATTGAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_144866

**Insert Size:** 1314 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.

|               |                                                                                                                                                                                                                                                                                                                                                                       |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note:         | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                              |
| RefSeq:       | <a href="#">BC013717</a> , <a href="#">AAH13717</a>                                                                                                                                                                                                                                                                                                                   |
| RefSeq Size:  | 1952 bp                                                                                                                                                                                                                                                                                                                                                               |
| RefSeq ORF:   | 1314 bp                                                                                                                                                                                                                                                                                                                                                               |
| Locus ID:     | 225363                                                                                                                                                                                                                                                                                                                                                                |
| UniProt ID:   | <a href="#">Q8BWY3</a>                                                                                                                                                                                                                                                                                                                                                |
| Cytogenetics: | 18 B1                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Summary: | Directs the termination of nascent peptide synthesis (translation) in response to the termination codons UAA, UAG and UGA (By similarity). Component of the transient SURF complex which recruits UPF1 to stalled ribosomes in the context of nonsense-mediated decay (NMD) of mRNAs containing premature stop codons (By similarity).[UniProtKB/Swiss-Prot Function] |