

Product datasheet for **RN207315**

Etf1 (NM_001008344) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Etf1 (NM_001008344) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Etf1
Synonyms:	MGC94734
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN207315 representing NM_001008344
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGGACGACCCAGTGCTGCCGATAGGAACGTGGAGATCTGGAAGATCAAGAAGCTCATTAGAGCT
 TGGAGGCGGCCCGGCAATGGCAGCAGCATGATATCACTGATCATTCTCCCAAAGACCAGATTTACG
 AGTGGCAAAAATGTTAGCAGATGAGTTTGAACCTGCGTCTAACATTAAGTACGAGTAAACCGCCTTTCA
 GTCCTGGGAGCCATCACATCTGTACAACAGAGACTCAAACCTTTATAACAAAGTACCTCCAAATGGTCTGG
 TTGTTTACTGTGGAACAATTGTAAACAGAAGAAGGAAAGGAAAGAAAGTTAACATTGACTTTGAACCTTT
 CAAACCAATTAACACATCATTGTATTTGTGCGACAACAAGTTTCATACAGAGGCTCTTACAGCGTTACTC
 TCAGATGACAGCAAGTTTGGTTTTATTGTAATAGACGGCAGTGGTGTCTTTTTGGCACGCTCCAAGGAA
 ACACCAGAGAAGTCTGCACAAATTCAGTGTGGATCTCCCAAAGAAACACGGCAGAGGAGGTCAATCAGC
 CTTGCGTTTTGCCGTTTAAGAATGGAAAAGCGACATAACTATGTTCCGAAAGTAGCAGAGACTGCTGTG
 CAGCTGTTTATTTCTGGAGACAAAGTGAATGTGGCTGGTTTGGTTTTAGCCGGATCAGCTGACTTTAAAA
 CTGAACTAAGTCAATCTGACATGTTTGACCAGAGGTTGCAATCTAAAGTTTTAAATAGTTGATATATC
 CTACGGTGGTGAAAATGGATTCAACCAAGCTATTGAATTGTCTACTGAAGTTCTCTCCAACGTGAAGTTC
 ATTCAGAGAAGAAATTAATAGGACGATACTTTGATGAAATTAGCCAGGACACGGCAAGTACTGTTTTG
 GAGTTGAAGACACACTGAAGGCTTTGGAATGGGAGCTGTAGAGATTCTAATAGTCTATGAAATCTGGA
 TATAATGAGATACGTGCTTCATTGCCAAGGCACAGAAGAGGAGAAATTTCTATTTAACGCCAGAACAA
 GAGAAGGATAAATCTCACTTCACAGACAAAGAGACTGGACAGGAACATGAGCTGATAGAGAGCATGCCCC
 TCTTGGAATGGTTTGCTAACAACATAAAAAATTTGGAGCTACACTAGAAATTGTCACAGATAAGTCACA
 AGAAGGATCACAGTTTGTGAAAGGATTTGGTGGAAATTGGAGGTATCTTGGGTACCGAGTATGATTCCAG
 GGAATGGAATACCAAGGAGGAGATGACGAATTTTTTACCTTGATGACTAC**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3099_b04.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001008344

Insert Size: 1314 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_001008344.1, NP_001008345.1</u>
RefSeq Size:	2293 bp
RefSeq ORF:	1314 bp
Locus ID:	307503
UniProt ID:	<u>Q5U2Q7</u>
Cytogenetics:	18p12
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]