

Product datasheet for **RR209975**

Etfa (NM_001009668) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Etfa (NM_001009668) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Etfa
Synonyms:	ETF
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209975 representing NM_001009668 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTTCGAGCAGCGCGCCTGGGCAGCTCCGGCGGGCGGCTCGTTGCTCCGTTTTTCAGAGCACCTTGG
TAATAGCTGAGCATGCGAATGATTCTCTAGCACCCATTACTCTAAACACTATCACTGCAGCTGGACGTCT
TGGAGGTGAAGTGTCTGCTTAGTAGCTGGAACAAAATGTGACAAGGTGGTACAGGATCTCTGTAAAGTA
GCAGGCGTGGCAAAGTTCTGGTGGCTCAGCATGATGCGTACAAAGGCCTTCTCCAGAGAACTCACAC
CATTGATTTTGGAACTCAGAAGCAGTTCAGTTACACACACATCTGTGCTGGAGCATCTGCTTTTGGAAA
GAACCTTCTGCCAGAGTAGCAGCCAACTTAATGTTGCCCGAGTTTCTGACATCATTGAGATCAAGTCA
CCTGACACATTTGTGAGAACTATCTATGCAGGAAATGCATTGTGTACAGTGAAATGTGATGAGAAAGTGA
AGGTGTTTTCTGTTGAGGAACATCTTTGAGGCTGCAGCAGCAAGTGGAGGTAGTGCCAGTTCAGAAAA
GGCACCAAGTTCATCAGCAGGAATATCAGAGTGGCTTGACCAGAAATGACAAAAAGTGACCCAGCA
GAGCTAACTGGTCCAAAGTGGTGGTATCTGGTGGTGGGGCTTGAAGAGTGGAGAGAACTTAACTGC
TGTATGACTTGGCAGATCAGCTGCATGCTGCAGTTGGTGGTCCCGTCTGCTGTTGATGCTGGCTTTGT
TCCAATGACATGCAAGTTGGTGCAGACAGGAAAAATAGTAGCTCCAGAACTTTATATTGCTGTTGGAATA
TCTGGAGCCATCCAGCATTTAGCTGGGATGAAGGACAGCAAGACAATTGTGGCTATTAACAAGACCCAG
AAGCTCCAATTTTCCAAGTGGCAGATTATGGAATAGTTGCAGATTTATTTAAGGTGGTCTGAAATGAC
AGAAATACTGAAGAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001009668.1 , NP_001009668.1
RefSeq Size:	1426 bp
RefSeq ORF:	1002 bp
Locus ID:	300726
UniProt ID:	P13803
Cytogenetics:	8q24
MW:	35 kDa
Gene Summary:	specific electron acceptor for several dehydrogenases, including acyl-coA dehydrogenases, glutaryl-coA and sarcosine dehydrogenase; transfers electrons to the main mitochondrial respiratory chain [RGD, Feb 2006]