

Product datasheet for RN215267

Tefm (NM_001025626) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tefm (NM_001025626) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tefm
Synonyms:	RGD1306595
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN215267 representing NM_001025626 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTGGAGGGCTAACCTTGCTTGCCTCATCAAGGCCGGAGGGAGGACGAGATGGTTTCCACTCCCAG
AGTACTTATCCATGTCTCCAGTCTACATAAATCTGTTCTCGGAGAAAGTCCACGGCGCCGAGAACT
TGCTGCCAGTGTGCTGCTTGTGATACGAATGAAAGGAGCCTGGGACTGCACTGGGAGGCTCTACTCC
CCAGAGCAGCAGGCTCTATCTTACACGTGTTGAATACAGCTTCTGATAAAGAAGTGGAGGCTTTCAGAT
TGCTTCGGGGAAGAAAGTCCGTCAATATTGTGGAACACAGAAAGAAGTTGGGCCGTTTCAGAGTTTGA
GAGTTTGATAGGCGTGCCCTTGATCCAGTATAAACTGCTGTTGAAGTTTGAATCCATCTTTGTCCA
GAGAACAGACGGAGAAAAAGTACAGGAAAAAGTGGGTGCTGAGAAAGTTCATCAAACAGGTGTAGAGA
AAGAGAGACTTAAGGCAGTCAATAGTATCGTATCTATTGTGTTGGTACTCGAAGAATTGCGTGGGCTCA
CCTTGACCGGAAACCAACTGTGCTGGACTGGCAGCAGGCAGAGTCTGAAACTAACTAAACAAACATAC
CCATCGTCCTTTTATCTGGAAGAGATTTCTTCAGTCGTTTCAAAGATCCCTAAAGCAGATCTCTACATTT
TAGAAAAATCAGGACTTTCATTTCAGAACACATCTCTGTTTCTATACTGTTACTTTCTTATCACGGA
AGCCATGCTGTACGCCCTACTCAACAAACTTTTGCAAAAGATGGCCAGCATCGGGTCTGAGCATAAAT
CGAAATGCTGTGGCAAGCACTTTGACCTGATGATCGGCGACGAGGACTAGTGGGAGGGAGCTAGTGA
AGCAGTTCTCTGAGTCTGTGCTGAAGGAGCAGCCTCGGGTGTCTTCCCAGGGAGCTTGCAGTGCA
GTACAGACAGAAGATTGTGAAGAGCTCACACCGGATTGAGGAGCTGTACGATTCTTACTACAAGCTGTT
GCTTTTTACGAGTTAGTTTTGGCAGTGGCTCAGAGCTCAAATGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001025626
Insert Size:	1098 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:	<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:	<u>NM_001025626.1</u> , <u>NP_001020797.1</u>
RefSeq Size:	1310 bp
RefSeq ORF:	1098 bp
Locus ID:	287554
UniProt ID:	<u>Q4KM51</u>
Cytogenetics:	10q25
Gene Summary:	Transcription elongation factor which increases mitochondrial RNA polymerase processivity. Regulates transcription of the mitochondrial genome, including genes important for the oxidative phosphorylation machinery (By similarity).[UniProtKB/Swiss-Prot Function]