

Product datasheet for **MG216097**

Trex2 (NM_011907) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Trex2 (NM_011907) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Trex2
Synonyms: MGC129476; MGC129477
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216097 representing NM_011907
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGAGCCACCCCGGGCTGAGACCTTTGTATTCTGGACCTAGAAGCCACTGGGCTCCCAAACATGG
ATCCTGAGATTGCAGAGATATCCCTTTTTGCTGTTACCGCTCTTCCTGGAGAACCAGAACGGGATGA
TTCTGGTTCCTTGGTGTGCCCGTGTCTGGACAAGCTCACACTGTGCATGTGCCGGAGCGCCCTTT
ACTGCCAAGCCAGTGAGATTACTGGTTTGAGCAGCGAAAGCCTGATGCACTGCGGGAAGGCTGGTTCA
ATGGCGCTGTGGTAAGGACACTGCAGGGCTTCCTAAGCCGCCAGGAGGGCCCATCTGCCTGTGGCCCA
CAATGGCTTCGATTATGACTTCCCACTGCTGTGCACGGAGCTACAACGTCTGGGTGCCCATCTGCCCAA
GACACTGTCTGCCTGGACACACTGCCTGCATTGCGGGGCCTGGACCGTGCTCACAGCCACGGCACCAGGG
CTCAAGGCCGCAAAAGCTACAGCCTGGCCAGTCTCTTCCACCGCTACTTCCAGGCTGAACCCAGTGTCTG
CCATTCAGCAGAAGGTGATGTGCACACCCTGCTTCTGATCTTCTGCATCGTGCTCCTGAGCTGCTCGCC
TGGGCAGATGAGCAGGCCCGCAGCTGGGCTCATATTGAGCCCATGTACGTGCCACCTGATGGTCCAAGCC
TCGAAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216097 representing NM_011907
 Red=Cloning site Green=Tags(s)

MSEPPRAETFFVFLDLEATGLPNMDPEIAEISLFAVHRSSLENPERDDSGSLVLPVLDKLTLCMCPERP
 TAKASEITGLSSESLMHC GKAGFNGAVVRTLQGFLSRQEGPICLVAHNGFDYDFPLLCTELQRLGAHL
 P QDTVCLDTLPALRGLDRAHSHGTRAQGRKSYSLASLFHRYFQAEPSSAAHSAEGDVHTLLLIFLHRAPELLA
 WADEQARSWAHIEPMYVPPDGP SLEA

TRTRPLE - GFP Tag - V

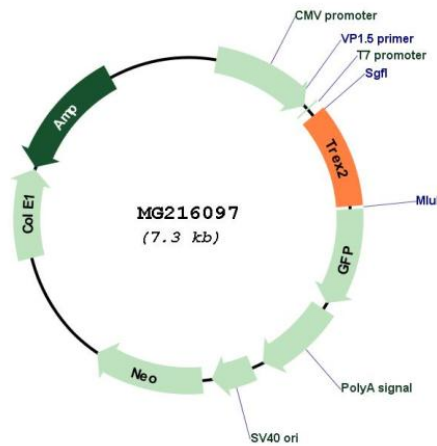
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_011907

ORF Size: 708 bp

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_011907.4 , NP_036037.1
RefSeq Size:	1034 bp
RefSeq ORF:	711 bp
Locus ID:	24102
UniProt ID:	Q9R1A9
Cytogenetics:	X A7.3
Gene Summary:	Exonuclease with a preference for double-stranded DNA with mismatched 3' termini. May play a role in DNA repair.[UniProtKB/Swiss-Prot Function]