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Product datasheet for MG223646

Tradd (NM_001033161) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tradd (NM_001033161) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tradd
Synonyms:	9130005N23Rik; AA930854
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG223646 representing NM_001033161
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCCGGTCAGAATGGCCACGAGGAGTGGGTGGGCAGTGCATACCTGTTTTTGGAGTCTGCGGTAG
ACAAGGTGATCCTGTCTGAAGCCTACACGGATCCCAAGAAGAAGGTGGCAATATACAAGGCTCTGCAGAC
TGCACTGTCAGAGAGTGGGGACAGCTCTGACGTACTGCAGATACTCAAGATCCACTGCAGCGACCCTCAG
CTCATCGTCCAGTTGCGGTTCTGCGGGCGCGTGCTGTGCGGCCGCTTCCTCCAAGCCTACCGCGAGGGGG
CGCTGCGCACCGCGCTGCAGAGGTGCATGGCCCCGGCGCTTGCCCAGGAAGCGCTGCGGTTGCAGCTGGA
GTTGCGTGCAGGTGCGGAGCAGCTGGACAGTTGGCTGACTGATGAAGAGCGCTGTTTGAATTACATCTTA
GCCCAGAAGCCCGACCGGCTCAGGGACGAGGAACTCGCGGAGCTGGAGGATGAGCTCTGCAAACTGACGT
GTGACTGCACTGGCCAGGGTGGAGCCATACAGGTAGCTTCTGCAGGTTCGAAGTTCCCGGTTTCCTCTCC
GACCGAGGAGAAACCACTGCCGGCCGCCTGCCAGACTTTTCTGTTCCACGGGCAGCTCGTAGTGAACCGG
CCACTGACTCTTCAAGACCAGCAGACGTTTGCGCGCTCGGTGGGTCTCAAGTGGCGCAGGGTGGGGCGCT
CGCTGCAGCGTAACTGTCGGGCACTGAGAGATCCTGCCCTCGACTCGCTGGCCTACGAGTATGAGCGTGA
TGGGCTATACGAGCAGGCCTTCCAGCTGCTGCGCCGTTTCATGCAAGCCGAGGGCCGCCGTGCCACACTG
CAGCGCCTGGTGGAGGCGCTGGAGGAGAACGAACTCACTAGTCTAGCAGAGGATCTGTTGGGCCAGGCGG
AGCCGGATGGCGGCCTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

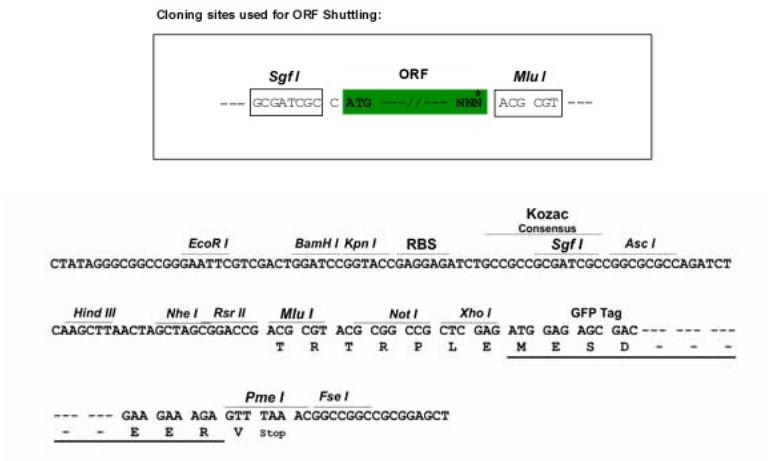
>MG223646 representing NM_001033161
Red=Cloning site Green=Tags(s)

MAAGQNGHEEWVGSAYLFLESAVDKVILSEAYTDPKKKVAIYKALQTALSESGDSSDVLQILKIHCSDPQ
LIVQLRFCGRVLCGRFLQAYREGALRTALQRCMAPALAQEALRLQLELRAGAEQLDSWLTDEERCLNYIL
AQKPDRLRDEELAELEDELCKLTCDCTGQGGAIQVASAGSKFPVSSPTEEKPLPAACQTFLFHGQLVVNR
PLTLQDQQTFARSVGLKWRRVGRSLQRNCRALRDPALDSLAYEYERDGLYEQAFQLLRRFMQAEGRRATL
QRLVEALEENELTSLAEDLLGQAEPDGGLA

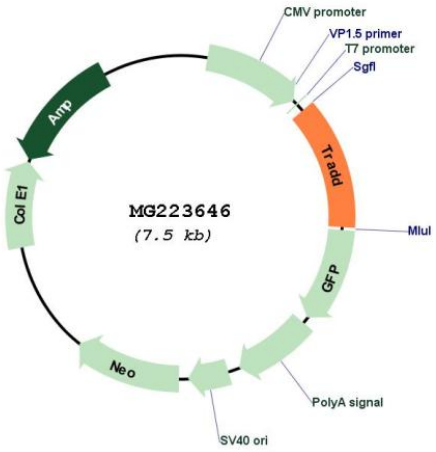
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001033161

ORF Size: 930 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:	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_001033161.2, NP_001028333.1
RefSeq Size:	1385 bp
RefSeq ORF:	933 bp
Locus ID:	71609
UniProt ID:	Q3U0V2
Cytogenetics:	8 53.04 cM
Gene Summary:	Adapter molecule for TNFRSF1A/TNFR1 that specifically associates with the cytoplasmic domain of activated TNFRSF1A/TNFR1 mediating its interaction with FADD. Overexpression of TRADD leads to two major TNF-induced responses, apoptosis and activation of NF-kappa-B (By similarity). The nuclear form acts as a tumor suppressor by preventing ubiquitination and degradation of isoform p19ARF/ARF of CDKN2A by TRIP12: acts by interacting with TRIP12, leading to disrupt interaction between TRIP12 and isoform p19ARF/ARF of CDKN2A. [UniProtKB/Swiss-Prot Function]