

Product datasheet for **MG205737**

Tmeff1 (BC057598) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmeff1 (BC057598) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tmeff1
Synonyms: Tr1, M7365, A830033E11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205737 representing BC057598
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCGCCAGGCGCCGCTCCGGCTGCCGGCCGCGCCCCGCTCGCCGTCTGCGGCTACACGTCGGTGC
 TTCTGCTCTTCGCCTTCTGCCTGCCCGGGAGCCGCGCTCCAACCAGCCCGGGCGGGCGGGGACTG
 TCCGGGAGGCAGAGGCAAGACAACTGCTCAGAATTAATCTGAGAGAATCTGACATCAGAGTGTGTGAT
 GAATCATCTTGTAAATATGGAGGTGTCTCAAAGAAGATGGAGATGGTTTAAATGCGCATGCCAGTTTC
 AGTGCCATACAAATTACATCCCTGTCTGTGGGTCAAACGGGGACACCTACCAGAAATGAGTGCTTTCTCAG
 GAGGGCTGCTTGAAGCACCAGAAAGACATAACCGTGGTGGCGCTGGACCTTGCTACTCTGATAACGGC
 TCTGGATCTGGAGAAGGAGAGGAGGAAGGCTCAGGAGCAGGGGCTCACAGGAAACATTCCAAGTGTGGAC
 CGTGCAAGTACAAGGCCGAGTGTGACGAGGATGCGGAGAACGTTGGGTGTGTATGTAATATAGACTGCAG
 TGGGTACAGCTTTAACCTGTGTGCGCTTCCGACGGGAGTTTCTATAACAATCCCTGTTTCGTCGGAGAA
 GCGTCGTGTATAAAGCAAGAACAGATCGACATAAGGCATCTCGGCCACTGCACAGACACAGATGATGTGA
 GTTTATTGGGAAAGAAGGACGACGGGCTGCAGTATCGGCCAGATGTGAAAGATGCAGGTGATGAAAGGGA
 AGATGTTTATATCGGAAGCCACATGCCTTGCCCTGAAAACCTCAATGGTACTGCATCCATGGGAAATGT
 GAATTCATCTACTCTACTCAGAAGGCCTTTGTAGATGTGAATCTGGTTACTGACAGCAGCAGTGTGAGA
 AGACGGACTTTAGTATTCTCTATGTAGTACCAAGTAGGACAGAGCTCACCCATGTTCTTATCGCAGCCAT
 TATTGGAGCAGTACAGATCGCCATTATAGTAGCAATCGTCATGTGCATAACAAGGAAATGCCCAAGAAC
 AATAGAGGGCGGAGGCAGAAAGCAGAACCTGGGTCAATTTACTTCAGACACTTCATCCAGAATGGTC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205737 representing BC057598
 Red=Cloning site Green=Tags(s)

MGAQAPLRLPAAPPLAVCGYTSVLLLF AFCLPGSRASNQPAGGGGDCPGGRGKSNCSSELNLRSDIRVCD
 ESSCKYGGVCKEDGDGLKACQFQCHTNYIPVCGSNGDTYQNECFLRRAACKHQKDITVVARGPCYSDNG
 SSGSEGE EEGSGAGAHRKHSKCGPKYKAECDEDAENVGVCNIDCSGYSFNPVCASDGSYNNPCFVRE
 ASCIKQEQIDIRHLGHCTD TDDVSL LGKKDDGLQYRPDVKDAGDEREDVYIGSHMPCPENLNGYCIHGKC
 EFIYSTQKASCRCESGYTGQHCEKTD FSILYVVP SRQKL THVLI AAIIGAVQIAI IVAIVMCITRKCPKN
 NRGRRQKQNLGHFTSDTSSRMV

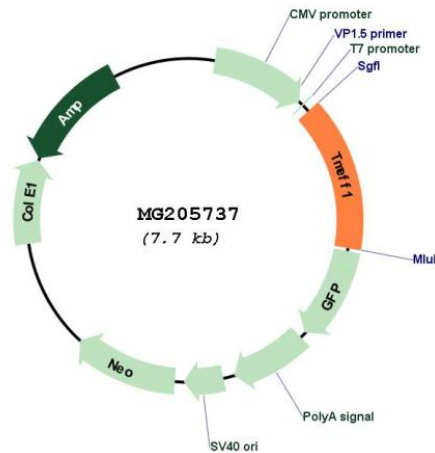
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC057598

ORF Size:	1118 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:	BC057598 , AAH57598
RefSeq Size:	2462 bp
RefSeq ORF:	1118 bp
Locus ID:	230157
Cytogenetics:	4 B1
Gene Summary:	May inhibit NODAL and BMP signaling during neural patterning.[UniProtKB/Swiss-Prot Function]