

Product datasheet for **MG205837**

Tpst2 (NM_009419) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tpst2 (NM_009419) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tpst2
Synonyms: A1448750; D5Ucla3; grm; grt; Tango13b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205837 representing NM_009419
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGCCTGTCGGTGCCTAAGGTGCTGCTGGCCCGCGCTGTGCTCTGGCCCTGGTGTCTGCTGTGCAGC
 TTGGGCAGCAAGTACTGGAGTCCCGGGCGGTGCTCGGGGCACACGGAACCCACGGAGGATGCGGCCGGA
 GCAGGAGAACTGGTGTGCTCGCGCCGACCAGTGGAGTACCGCTATGGCAAGGCCATGCCACTCATC
 TTTGTGGCGCGTGCACGCAGTGGCACCACGCTCATGCGGCCATGTTGGACGCACACCCGGAGGTGC
 GCTGTGGGAGGAGACGCGCATCATCCCTCGTGTGCTGGCCATGCGGCAGGCCTGGACCAAGTCTGGCCG
 TGAGAAGCTGCGGCTGGACGAGGAGGTGTGACGGATGAGGTGCTGGACGCGCCATGCAGGCCTTCATT
 CTGGAGGTGATCGCCAAGCACGGCAACACGCCGCGTGTGTGTAACAAGGACCCCTTCACACTCAAGT
 CATCCGCTACCTGGCACGCCTGTTCCCAACTCCAAATTCCTGCTAATGGTGCCTGACGGCCGGGCGTC
 CGTGCCTCCATGATCACGCGCAAGGTACCATCGCGGGCTTTGACCTCAGCAGCTACCGAGACTGCCTC
 ACCAAGTGAACAAGGCCATCGAGGTGATGTACGCACAGTGCATGGAGGTGGCAGGGACAAGTGCCTGC
 CCGTGTACTATGAGCAGTTGGTGTGCACCCCGCGCTCACTCAAACGCATCCTGGATTTCCTGGGCAT
 CGCCTGGAGTGACACAGTCCCTGCACCATGAGGACCTCATTGGCAAGCCTGGGGCGTCTCCTTGCCAAG
 ATCGAGCGGTCCACGGACCAGGTCAAAACCGTGAACCTGGAAGCTCTCTCAAGTGGACGGCCACA
 TCCTAGAGACGTGGTGAGGGATATGGCCAGATTGCCCCATGCTGGCCCGGCTTGCTATGACCCGTA
 TGCGAATCCGCCAACTATGGGAACCCGACCCATTGTCATCAACAACACACCCGGTCTTGAAGGA
 GACTATAAAACGCCAGCCAATCTGAAAGGATATTTTCAGGTGAACCAGAACAGCACCTCCCACACCTAG
 GAAGTTCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205837 representing NM_009419
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MRLSVRKVLLAAGCALVLAVQLGQQVLECAVLLGGTRNPRMRPEQEELVMLGADHVEYRYGKAMPLI
 FVGGVPRSGTTLMRMLDAHPEVRCGEETRIIPRVLAMRQAWTKSGREKLRLEAGVTDEVLDAAAMQAFI
 LEVIAKHGEPARVLCNKDPFTLKSSVYLARLFPNSKFLLMVRDGRASVHSMITRKVTIAGFDLSSYRDCL
 TKWNKAIEVMYAQCMEVGRDKCLPVYYEQLVLHPRRSLKRILDFLGLIAWSDTVLLHHEDLIGKPGGVSLSK
 IERSTDQVIKPVNLEALSKWTGHIIPRDVVRDMAQIAPMLARLGYDPYANPPNYGNPDPPIVINNTHRVLKG
 DYKTPANLKG YFQVNQNSTSPHLGSS

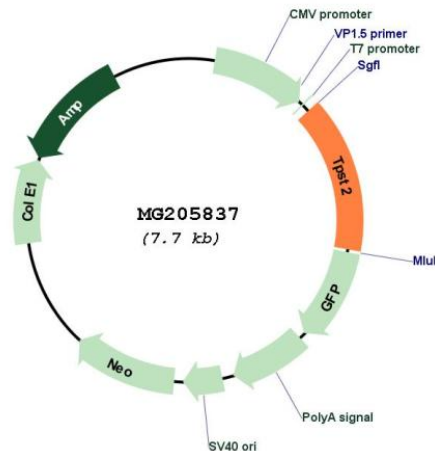
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009419

ORF Size:	1128 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_009419.2 , NP_033445.1
RefSeq Size:	1829 bp
RefSeq ORF:	1173 bp
Locus ID:	22022
UniProt ID:	O88856
Cytogenetics:	5 54.65 cM
Gene Summary:	Catalyzes the O-sulfation of tyrosine residues within acidic motifs of polypeptides, using 3'-phosphoadenylyl sulfate (PAPS) as cosubstrate.[UniProtKB/Swiss-Prot Function]