

Product datasheet for **MG226353**

Tph2 (NM_173391) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tph2 (NM_173391) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tph2
Synonyms:	AU043594; Ntph
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226353 representing NM_173391
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCCCGCAATGATGATGTTTTCCAGTAAATACTGGGCCAGGAGAGGTTGTCTTGGATTCTGCTG
 TGCCAGAAGATCATCAGCTACTTGGCAGCTTAACACAAAATAAGGCTATCAAAGCGAGGACAAGAAAAG
 CGGCAAAGAGCCCGCAAAGGCGACACCACAGAGAGCAGCAAGACAGCGGTAGTGTCTCCTTGAAGAAT
 GAAGTTGGTGGGCTGGTAAAAGCACTTAGACTATTCCAGGAAAAACATGTCAACATGCTTCATATCGAAT
 CCAGGAGGTCCCGACGAAGAAGTCTGAAGTCGAAATCTTCGTGGACTGCGAATGTGGCAAAACGGAATT
 CAATGAGCTCATCCAGTTGCTGAAATTTAGACCACCATTTGTGACCTGAATCCGCTGAGAGCATTGAG
 ACGGAGGAAGAAGATCTCGAGGATGTCCGTGGTTCCTCGGAAGATCTCTGAGTTAGACAGATGCTCTC
 ACCGAGTCTCATGTACGGCACCAGCTTGATGCCGACCATCCAGGATTTAAGGACAATGTCTATCGACA
 GAGGAGGAAGTATTTTGTGGATGTGCCATGGGCTATAAATATGGTCAGCCCATCCAGGGTCGAGTAC
 ACAGAAGAAGAGACTAAAACCTGGGGTGTGTGTTCCGGGAGCTCTCAAACCTCTACCCGACTCATGCTT
 GCCGGGAGTACCTGAAAACCTCCCTGCTGACCAAGTACTGTGGCTACAGGGAAGACAACGTGCCGCA
 ACTGGAAGACGTCTCCATGTTTCTGAAAGAGCGATCTGGCTTACAGTGAGACCAGTGGCTGGCTACCTG
 AGCCCAAGAGACTTCTGGCGGGCTGGCTACAGAGTATTCCTGCACCCAGTACGTGCCGCATGGCT
 CCGACCCCTCTACCCCGGAACCAGATACATGCCATGAACTCTGGGACACGTGCCACTGCTTGGCGGA
 TCCCAAGTTTGTCTAGTTTTCCCAAGAGATAGGCTTAGCGTCTCTGGGAGCCTCAGATGAGGACGTTTCA
 AACTAGCCACGTGCTATTTCTTCAAAATCGAGTTGCGCCTTTCGCAAGCAAGAGGGTCAACTGCGGGCGT
 ATGGAGCAGGGTTACTTTTCGTCATCGGAGAAATGAAAGCATGCTTTTCGACAAGGCGTGTGTAAATC
 CTTTGACCCAAAGACGACCTGCTTGCAGGAATGCCTAATCACCACCTTTCAGGACGCTTACTTTGTTTCG
 GACAGTTTTGAAGAAGCCAAAGAAAAGATGAGGGACTTTGCAAAGTCAATTACCCGTCCTTCTCGGTAT
 ACTTCAACCCCTACACGCAGAGCATTGAAATCTGAAAGACACCAGAAGTATTGAGAATGTGGTGCAGGA
 CCTGCGCAGTGATTTGAACACAGTGTGTGATGCCTTGAATAAAATGAACCAATATCTGGGGATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG226353 representing NM_173391
 Red=Cloning site Green=Tags(s)

MQPAMMMFSSKYWARRGLSLDSAVPEDHQLLGSLLQNKAIKSEDKKSGKEPGKGDTESSKTAVVFLKN
 EVGGLVKALRLFQEKHVNMLHIESRRSRRSSEVEIFVDCECGKTEFNELIQLLKFTTIVTLNPPESI
 TEEEDLEDVVPWFPRKISELDRCSHRVLMYGTELDADHPGFKDNVYRQRKYFVDVAMGYKYGQPIPRVEY
 TEEETKTWGVVREL SKLYPTHACREYLKPLLLTKYCGYREDNVPQLEDVSMFLKERSGFTVRPVAGYL
 SPRDFLAGLAYRVFHTQYVRHGSPLYTPEPDTCHELLGHVPLLADPKFAQFSQEI GLASLGASDEDVQ
 KLATCYFFTIEFGLCKQEGQLRAYGALLSSIGELKHALSDKACVKSFPKTTCLQECLITTFQDAYFVS
 DSFEEAKEKMRDFAKSITRPFVYFNPTYSIEILKDTRSIENVVQDLRSDLNTVCDALNKMNQYLG I

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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_173391.3](#), [NP_775567.2](#)

RefSeq Size: 2626 bp

RefSeq ORF: 1467 bp

Locus ID: 216343

UniProt ID: [Q8CGV2](#)

Cytogenetics: 10 D2