

Product datasheet for **RN208489**

Tph2 (NM_173839) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tph2 (NM_173839) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tph2
Synonyms:	Ntph
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208489 representing NM_173839
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGCCGCAATGATGATGTTTTCCAGTAAATACTGGGCCAGGAGAGGTTGTCCTTGGATTCAGCGG
 TGCCAGAAGAGCATCAGATACTTGGCGGCTTAACACAAAATAAGGCTACCGCTAGCAAAAGCGAGGACAA
 GAGAAGCGGCAAAGACACTTCGGAGAGCAGCAAGACTGCGGTTGTGTTCTCCCTGAAGAATGAAGTTGGC
 GGGCTGGTGAAGACTGAGACTCTCCAGGAAAAACACGTCAACATGCTCCATATTGAATCCAGGAGGT
 CCCGGCGAAGAAGTTCTGAAGTCGAAATCTTCGTGGACTGTGAATGTGGCAAAACAGAATCAACAGACT
 CATTCAAGTTGCTCAAGTTTCAGACCACCATTGTGACGCTGAATCCACCTGACAACATTTGGACGGAGGAA
 GAAGAAGTAGAGGATGTGCCGTGGTCCCTCGGAAGATCTCTGAGTTAGACAGATGCTCTCACAGAGTCC
 TCATGTACGGCACCGAGCTTGACGCCGACCACCAGGATCAAGGACAACGTCTATCGACAGAGGAGGAA
 GTATTTTGTGGATGTGGCCATGGGTTATAAATATGGCCAGCCCATCCCAGGGTGAATACAGAGAAGAA
 GAGACTAAAACCTGGGGTGTGTGTTTCGGGAGCTCTCCAACTCTACCCACTCATGCTTGCCGAGAGT
 ACCTGAAAACCTCCCCCTGCTGACCAAGTACTGCGGCTACAGGGAAGACAACGTCCCGCAGCTGGGAAG
 CGTCTCCATGTTTCTGAAAGAGCGATCTGGCTTACAGTGAGACCAGTGGCTGGCTACCTGAGCCCAAGA
 GACTTCTGGCTGGGCTGGCCTACAGAGTATCCACTGCACTCAGTACGTGCGGCATGGCTCCGACCCCC
 TCTACACCCCGGAACCAGACACATGCCATGAGCTCCTGGGACATGTGCCACTGCTGGCGGATCCCAAGTT
 CGCTCAGTTTTCTCAAGAAATAGGCTTAGCCTCTCTGGGAGCCTCAGATGAAGACGTTGAGAACTGGCC
 ACGTGCTATTTCTTCAAAATCGAGTTCGGCCTTGCAAGCAAGAAGGTCAACTGCGGGCGTACGGAGCAG
 GGTTACTTTCTCCATCGGAGAATTGAAGCATGCTTTTCTGACAAGGCGTGTGTAAGGCTTTGACCC
 GAAGACAACCTGCTTGCAGGAATGCCTAATCACCACCTTCCAAGATGCTTACTTTGTTTCTGAAAGTTTT
 GAAGAAGCCAAAGAGAAGATGAGGGATTTTGCAAAGTCAATTACCCGTCCTTTCTCAGTATATTTCAACC
 CCTACACACAGAGCATTGAAATCTGAAAGACACCAGAAGTATTGAGAATGTGGTGCAGGACCTGCGCAG
 TGATTTGAACACCGTGTGCGACGCTTGAATAAAATGAACCAATATTTGGGGATT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_173839

Insert Size: 1458 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_173839.2](#), [NP_776211.1](#)
RefSeq Size: 2581 bp
RefSeq ORF: 1458 bp
Locus ID: 317675
UniProt ID: [Q8CGU9](#)
Cytogenetics: 7q22
Gene Summary: isoform of tryptophan hydroxylase; may play a role in serotonin biosynthesis [RGD, Feb 2006]