

Product datasheet for **SC209497**

Tryptophan 5 hydroxylase 2 (TPH2) (NM_173353) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Tryptophan 5 hydroxylase 2 (TPH2) (NM_173353) Human 3' UTR Clone
Symbol:	Tryptophan 5 hydroxylase 2
Synonyms:	ADHD7; NTPH
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_173353
Insert Size:	775 bp
Insert Sequence:	>SC209497 3'UTR clone of NM_173353 The sequence shown below is from the reference sequence of NM_173353. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
AACAAAATGAACCAATATCTGGGGATTTGATGCCTGGAACATATGTTGTTGCCAGCATGATCTTTTTGGG
GCTTAGCAGCAGTTCAGTCAATGCATATAACGCAAATAACCTTCTGTGCATGGCTTGGCTAATAAGC
ATGCAATCCATATATCTATAACCATCTTGTAACTCACTGTGTTAGTATATAAAGCACCATAAGAAATCC
AATGGCAGATAACCACTCATTGTATGAAATAACGTATTATGTTTAAACATCTTAAAAAGATTGACATT
CCTGCTTAGTGTCTTAACCAAAGTGCATCTAGTTAAATTTGTAACAAATAGCCCTCTTATGAGTCTC
ATTTATGCCCTTTTCTTTTTAGATCTAAGCCTTTCCTCTGTGTTTATTAGATAAAATGAAAAAAGCA
GTGAAGCTGTTTCCATTTTCAATAGTATCAGTGTTTTACGCATTATTTGAGATAAAACCCAGAATTGTA
GGAAACTTCCCATCACAATAACAAAGGTTCAATATTCTATTTCAAAAATTGTTGAGGTAACACAGCAGT
TGGAAATGATTTTTAGGTTGAGTATTTACACAATGCAAGAAAACACCTTTTTACAATGGAATTATGTAG
GTTGCGTTGACCTGTAGAACCTGAGTTATGACAAGCTTCTGAAGTATTTTGGAAAGATAGTACTCCG
GAAAGGACATTAGGAAAGACTAAACAGTGGACAATCAATCTTGGGACTATGAATTTTATGCTGGAATAA
AGTAAATTATCATGTT
ACGCGTAAGCGGCCGCGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-Mlul



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_173353.4</u>
Summary:	This gene encodes a member of the pterin-dependent aromatic acid hydroxylase family. The encoded protein catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter. Mutations in this gene may be associated with psychiatric diseases such as bipolar affective disorder and major depression. [provided by RefSeq, Feb 2016]
Locus ID:	121278
MW:	30