

Product datasheet for **SC206120**

Tryptophan Hydroxylase (TPH1) (NM_004179) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Tryptophan Hydroxylase (TPH1) (NM_004179) Human 3' UTR Clone
Symbol:	Tryptophan Hydroxylase
Synonyms:	TPRH; TRPH
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004179
Insert Size:	469 bp
Insert Sequence:	>SC206120 3' UTR clone of NM_004179 The sequence shown below is from the reference sequence of NM_004179. The complete sequence of this clone may contain minor differences, such as SNPs. Red =Cloning site Blue =Stop Codon

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

TCAGCAGGAAGCCGAGTATCTAACAGTAGCCAGTCATCCAGGAACATTTGAGCATCAATTCGGAGGCTCG
GGCCATCTCTTGCTTTCCTTGAACACCTGATCCTGGAGGGACAGCATCTTCTGGCCAAACAATATTATCG
AATCCACTACTTAAGGAATCACTAGTCTTTGAAAATTTGTACCTGGATATTCTATTTACCACTTATTTT
TTTGTTTAGTTTTATTTCTTTTTTTTTTTGGTAGCAGCTTAATGAGACAATTTATATACCATAACAAGCC
ACTGACCACCCATTTTAATAGAGAAGTTGTTTGACCCAATAGATAGATCTAATCTCAGCCTAACTCTAT
TTTCCCAATCCTCCTTGAGTAAAATGACCCCTTAGGATCGCTTAGAATAAAGTTGAGGAGTATTATGGCC
CTGACTCATATTGTTACCTAAGATCCCCTTATTTCTAAAGTATCTGTTA

ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCG

Restriction Sites: Sgfl-MluI

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).



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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:	NM_004179.2
Summary:	This gene encodes a member of the aromatic amino 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 have been associated with an elevated risk for a variety of diseases and disorders, including schizophrenia, somatic anxiety, anger-related traits, bipolar disorder, suicidal behavior, addictions, and others.[provided by RefSeq, Apr 2009]
Locus ID:	7166