

Product datasheet for **RC221193L3V**

Tryptophan 5 hydroxylase 2 (TPH2) (NM_173353) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tryptophan 5 hydroxylase 2 (TPH2) (NM_173353) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Tryptophan 5 hydroxylase 2
Synonyms:	ADHD7; NTPH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_173353
ORF Size:	1470 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221193).
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.
RefSeq:	NM_173353.3
RefSeq Size:	2360 bp
RefSeq ORF:	1473 bp
Locus ID:	121278
UniProt ID:	Q8IWU9
Cytogenetics:	12q21.1
Protein Families:	Druggable Genome



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Protein Pathways: Metabolic pathways, Tryptophan metabolism

MW: 56.1 kDa

Gene 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]