

## Product datasheet for **TP321193L**

### Tryptophan 5 hydroxylase 2 (TPH2) (NM\_173353) Human Recombinant Protein

#### Product data:

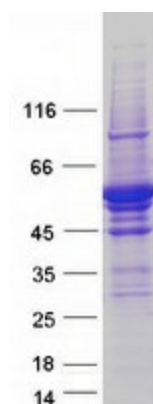
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens tryptophan hydroxylase 2 (TPH2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221193 representing NM_173353 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MQPAMMMFSSKYWARRGFSLDSAVPEEHQLLGSSTLNKPNKNDKGNKGGSSKREAATESGKTAVVFSL KNEVGGLVKALRLFQEKRVNMVHIESRKSRRRSSEVEIFVDCECGKTEFNELIQLLKFTTIVTLNPPEN IWTEEELEDVPWFPRKISELDKCSHRVLMYGSELDADHPGFDNVYRQRRKYFVDVAMGYKYGQPIPRV EYTEETKTWGVWFRELSKLYPTHACREYLKNFLLTKYCGYREDNVPQLEDVSMFLKERSGFTVRPVAG YLSRDFLAGLAYRVFHCTQYIRHGS DPLYTPEPDTHELLGHVPLLADPKFAQFSQEIGLASLGASDED VQKLATCYFFTIEFGLCKQEGQLRAYGAGLLSSIGELKHALSDKACVKAFDPKTTCLQECLITTFQEAYF VSESFEEAKEKMRDFAKSITRPFVSVYFNPYTQSIELK DTRS IENVVQDLRSDLNTVCDALNKMNQYLGI</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	55.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_775489</a></u>



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Locus ID:	121278
UniProt ID:	<a href="#">Q8IWU9</a>
RefSeq Size:	2360
Cytogenetics:	12q21.1
RefSeq ORF:	1470
Synonyms:	ADHD7; NTPH
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]
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Tryptophan metabolism

### Product images:



Coomassie blue staining of purified TPH2 protein (Cat# [TP321193]). The protein was produced from HEK293T cells transfected with TPH2 cDNA clone (Cat# [RC221193]) using MegaTran 2.0 (Cat# [TT210002]).