

Recombinant Human TPH2 Protein, His-tagged

Cat. No. TPH2-342H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TPH2 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Form	Supplied as a 0.2 μM filtered solution of PBS, pH 7.4
Molecular Mass	58.8kD
AA Sequence	MNHKVHHHHHHMQPAMMMFSSKYWARRGFSLDSAVPEEHQLLGSSTASTFLKLN KPN SGKND DKGNKGSSKREAATESGKTAVVFS LKNEVGGLVKALRLFQEKRVNMV HIESRKSRRRSSEVEIFVDCECGKTEFNELIQLLKFQTTIVTLNPPENIWTEEELEDV PWFPRKISELDKCSHRVLMYGSELDADHPGFKDNVYRQRRKYFVDVAMGYKYGQP IPRVEYTEEETKTWGVVFRELSKLYPTHACRE
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

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GENE INFORMATION

Gene Name	TPH2 tryptophan hydroxylase 2 [Homo sapiens]
Official Symbol	TPH2
Synonyms	TPH2; tryptophan hydroxylase 2; tryptophan 5-hydroxylase 2; FLJ37295; NTPH; tryptophan 5-monooxygenase 2; neuronal tryptophan hydroxylase; ADHD7; MGC138871; MGC138872;
Gene ID	121278
mRNA Refseq	NM_173353
Protein Refseq	NP_775489
MIM	607478
UniProt ID	Q8IWU9

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