

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	MNHKVVHHHHHMQPAMMMFSSKYWARRGFSLDSAVPEEHQLLGSSTASTFLKLN KPN SGKND DKGNK GSSKREAATESGKTAVV FSLKNEVGGLVKALRLFQEKRVMV HIESRKSRRRSSEVEIFVDCECGKTEFNELIQLLKFQTTIVTLNPPENIWTEEELEDV PWFPRKISELDKCSHRVLMYGSEL DADHPGFKDNVYRQRRKYFVDVAMGYKYGQP IPRVEYTEEETKTWGVV FRELSKLYPTHACRE
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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-monoxygenase 2; neuronal tryptophan hydroxylase; ADHD7; MGC138871; MGC138872;**Gene ID** [121278](#)**mRNA Refseq** [NM_173353](#)**Protein Refseq** [NP_775489](#)**MIM** [607478](#)**UniProt ID** [Q8IWU9](#) Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA