

## Product datasheet for TP720969

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human tryptophan hydroxylase 2 (TPH2)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Ile496
Tag:	N-His
Predicted MW:	58.8 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_775489</a>
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



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**Protein Pathways:** Metabolic pathways, Tryptophan metabolism