

## Recombinant Human TPH1 protein, His-tagged

Cat. No. TPH1-3367H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TPH1 protein(64-123 aa), fused with N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	64-123 aa
<b>Tag</b>	N-His
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
<b>Purity</b>	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
<b>Reconstitution</b>	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

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**AA Sequence** VDCDINREQLNDIFHLLKSHTNVLSVNLDPNFTLKEDGMETVPWFPKKISDLDHCAN  
RVL

## GENE INFORMATION

**Gene Name** TPH1 tryptophan hydroxylase 1 [ Homo sapiens ]

**Official Symbol** TPH1

**Synonyms** TPH1; tryptophan hydroxylase 1; TPH, TPRH, tryptophan hydroxylase (tryptophan 5 monooxygenase); tryptophan 5-hydroxylase 1; tryptophan 5 monooxygenase; L-tryptophan hydroxylase; tryptophan 5-monooxygenase 1; indoleacetic acid-5-hydroxylase; tryptophan hydroxylase (tryptophan 5-monooxygenase); TPRH; TRPH; MGC119994;

**Gene ID** 7166

**mRNA Refseq** NM\_004179

**Protein Refseq** NP\_004170

**MIM** 191060

**UniProt ID** P17752

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SDS-PAGE



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