

Recombinant Human TPH1 protein(Ile2-Ile444), His-tagged

Cat. No. TPH1-1172H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TPH1 (P17752-1) (Ile 2-Ile 444) was expressed in E. coli, with a polyhistidine tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	2-444 a.a.
Form	Lyophilized from sterile 20mM Tris, 200mM NaCl, 10% glycerol, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human TPH1 consisting of 458 amino acids and has a calculated molecular mass of 52.7 kDa. It migrates as an approximately 48 kDa band in SDS-PAGE under reducing conditions.
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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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