

Recombinant Human TPH2 Protein, His-tagged

Cat. No. TPH2-470H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TPH2 Protein (Met1-Leu175) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Leu175
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.7 kDa Accurate Molecular Mass: 24 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

TPH2 tryptophan hydroxylase 2 [Homo sapiens (human)]

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

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