Tryptophan 5-hydroxylase 2 (TPH2) Recombinant Protein | TPH2 recombinant protein

Recombinant Human Tryptophan 5-hydroxylase 2 (TPH2)

CATALOG #	HOST
AAA117693	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Tryptophan 5-hydroxylase 2 (TPH2); Recombinant Human Tryptophan 5-hydroxylase 2 (TPH2); TPH2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-490. Full Length.
Sequence	MQPAMMMFSS KYWARRGFSL DSAVPEEHQL LGSSTLNKPN SGKNDDKGNK GSSKREAATE SGKTAVVFSL KNEVGGLVKA LRLFQEKRVN MVHIESRKSR RRSSEVEIFV DCECGKTEFN ELIQLLKFQT TIVTLNPPEN IWTEEEELED VPWFPRKISE LDKCSHRVLM YGSELDADHP GFKDNVYRQR RKYFVDVAMG YKYGQPIPRV EYTEEETKTW GVVFRELSKL YPTHACREYL KNFPLLTKYC GYREDNVPQL EDVSMFLKER SGFTVRPVAG YLSPRDFLAG LAYRVFHCTQ YIRHGSDPLY TPEPDTCHEL LGHVPLLADP KFAQFSQEIG LASLGASDED VQKLATCYFF TIEFGLCKQE GQLRAYGAGL LSSIGELKHA LSDKACVKAF DPKTTCLQEC LITTFQEAYF VSESFEEAKE KMRDFAKSIT RPFSVYFNPY TQSIEILKDT RSIENVVQDL RSDLNTVCDA LNKMNQYLGI
Sequence Length	490
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for TPH2 recombinant protein	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. The human genome contains two related tryptophan hydroxylases, one on chromosome 11p15-p14 and one on chromosome 12q21. This gene is expressed predominantly in the brain stem. Mutations in this gene may be associated with psychiatric diseases such as bipolar affective disorder and major depression.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31795563
NCBI GeneID	121278
NCBI Accession #	NP_775489.2
NCBI GenBank Nucleotide #	NM_173353.3
UniProt Accession #	Q8IWU9; Q14CB0; A6NGA4
Molecular Weight	60.1 kDa
NCBI Official Full Name	tryptophan 5-hydroxylase 2

NCBI Official Synonym Full Names	tryptophan hydroxylase 2
NCBI Official Symbol	TPH2
NCBI Official Synonym Symbols	NTPH; ADHD7
NCBI Protein Information	tryptophan 5-hydroxylase 2
UniProt Protein Name	Tryptophan 5-hydroxylase 2
UniProt Gene Name	**TPH2**
UniProt Synonym Gene Names	NTPH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/tph2-recombinant-protein-e-coli/117693