

Product Data Sheet

Recombinant Human TPH2 Protein

Catalog #	Source	Reactivity	Applications
CRP2443	E. coli	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human TPH2 Protein is produced by E. coli expression system and the target gene encoding Met1-Ile496 is expressed with a 6His tag at the N-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
Gene Symbol	TPH2		
Alternative Names	NTPH; Tryptophan 5-hydroxylase 2; Neuronal tryptophan hydroxylase; Tryptophan 5-monoxygenase 2		
Entrez Gene	121278 (Human)		
SwissProt	Q8IWU9 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MNHKVVHHHH HMQPAMMMFS SKYWARRGFS LDSAVPEEHQ LLGSSTASTF LKLNKPNNGK NDDKGNKGSS KREAATESGK TAVVFSKNE VGGLVKALRL FQEKRVNMVH IESRKSRRRS SEVEIFVDCE CGKTEFNELI QLLKFQTTIV TLNPPENIWT EEELEDVPW FPRKISELDK CSHRVLMYGS ELDADHPGFK DNVYRQRRKY FVDVAMGYKY GQPIPRVEYT EEETKTWGVV FRELSKLYPT HACREYLKNF PLLTKYCGYR EDNVPQLEDV SMFLKERSGF TVRPVAGYLS PRDFLAGLAY RVFHCTQYIR HGSDPLYTPE PDTCHELLGH VPLLADPKFA QFSQEIGLAS LGASDEDVQK LATCYFFTIE FGLCKQEGQL RAYGAGLLSS IGEKHALSD KACVKAFFDPK TTCLQECLIT TFQEAYFVSE SFEEAKEKMR DFAKSITRPF SVYFNPTQS IEILKDTRSI ENVVQDLRSD LNTVCDALNK MNQYLGIVDL QSR		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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