

Recombinant Human TPH2 Protein

Catalog #	Source	Reactivity	Applications
CRP2443	E. coli	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human TPH2 Protein is produced by our 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 MNHKVHHHHH HMQPAMMMFS SKYWARRGFS LDSAVPEEHQ LLGSSTASTF
 LKLNKPNNGK NDDKGNKGSS KREATESGK TAVVFLKNE VGGLVKALRL FQEKRVNMVH
 IESRKSRRRS SEVEIFVDCE CGKTEFNELI QLLKFQTTIV TLNPPENIWT EEEEELEDVPW
 FPRKISELDK CSHRVLMYGS ELDADHPGFK DNVYRQRRKY FVDVAMGYKY GQPIPRVEYT
 EEETKTWGVV FRELSKLYPT HACREYLKNF PLLTKYCYR EDNVPQLEDV SMFLKERSGF
 TVRPVAGYLS PRDFLAGLAY RVFHCTQYIR HGSDPLYTPE PDTCHELLGH VPLLADPKFA
 QFSQEIGLAS LGASDEDVQK LATCYFFTIE FGLCKQEGQL RAYGAGLLSS IGEKHALSD
 KACVKAFDPK TTCLQECLIT TFQEAYFVSE SFEEAKEKMR DFAKSITRPF SVYFNPYTQS
 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. It is recommended that the protein be

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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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Product Data Sheet

aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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