



# Recombinant Rat Tryptophan 5-hydroxylase 1 (Tph1)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-MP024100RA  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P09810  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | MIEDNKENKD HSSERGRVTL IFSLKNEVGG LIKALKIFQE NHVNLLHIES<br>RKSKRRNSEF EIFVDCDINR EQLNDIFPLL KSHTTVLSVD SPDQLPEKED<br>VMETVPWFPPK KISDLDFCAN RVLLYGSELD ADHPGFKDNV YRRRRKYFAE<br>LAMNYKHGDP IPKIEFTEEE IKTWGTIFRE LNKLYPTHAC REYLRNLPLL<br>SKYCGYREDN VPQLEDVSNF LKERTGFSIR PVAGYLSRPD FLSGLAFRVF<br>HCTQYVRHSS DPLYTPEPDT CHELLGHVPL LAEPSFAQFS QEIGLASLGA<br>SEETVQKLAT CYFFTVEFGL CKQDQQLRVF GAGLLSSISE LRHALSGHAK<br>VKPFDPKVAC KQECLITSFQ DVYFVSESEFE DAKEKMREFA KTVKRPFQVK<br>YNPYTQSIQV LRDSKSITSA MNELRHDL DV VNDALARVSR WPSV |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | Tph1  |
| <b>Protein Names</b>     | Recommended name: Tryptophan 5-hydroxylase 1 EC= 1.14.16.4 Alternative name(s): Tryptophan 5-monoxygenase 1   |
| <b>Expression Region</b> | 1-444   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | full length protein   |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.   |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |