



Recombinant Rat Tryptophan 5-hydroxylase 1 (Tph1)

Product Code	CSB-EP024100RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P09810
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MIEDNKENKD HSSERGRVTL IFSLKNEVGG LIKALKIFQE NHVNLLHIES RKSKRRNSEF EIFVDCDINR EQLNDIFPLL KSHTTVLSVD SPDQLPEKED VMETVPWFPK KISDLDFCAN RVLLYGSELD ADHPGFKDNV YRRRRKYFAE LAMNYKHGDP IPKIEFTEEE IKTWGTIFRE LNKLYPTHAC REYLRNLPLL SKYCGYREDN VPQLEDVSNF LKERTGFSIR PVAGYLSPRD FLSGLAFRVF HCTQYVRHSS DPLYTPEPDT CHELLGHVPL LAEPSFAQFS QEIGLASLGA SEETVQKLAT CYFFTVEFGL CKQDGQLRVF GAGLLSSISE LRHALSGHAK VKPFDPKVAC KQECLITSFQ DVYFVSESEFE DAKEKMREFA KTVKRPFGVK YNPYTQSIQV LRDSKSITSA MNELRHDLDV VNDALARVSR WPSV
Source	E.coli
Target Names	Tph1
Protein Names	Recommended name: Tryptophan 5-hydroxylase 1 EC= 1.14.16.4 Alternative name(s): Tryptophan 5-monooxygenase 1
Expression Region	1-444
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Reconstitution	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.
Shelf Life	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.