

## 32-2772: PTPS Recombinant Protein

**Alternative Name** : PTP Synthase,6-Pyruvoyl Tetrahydropterin Synthase,PTPS,PTS,FLJ97081.

### Description

Source : Escherichia Coli. 6-PyruvoylTetrahydropterin Synthase Human Recombinant produced in e.coli is a single, non-glycosylated polypeptide chain containing 165 amino acids (1-145) and having a molecular mass of 18.5kDa. 6-PyruvoylTetrahydropterin Synthase is fused to a 20 amino acid His Tag at N-terminus and purified using conventional chromatography techniques. 6-PyruvoylTetrahydropterin Synthase is part of the family of lyases, specifically those carbon-oxygen lyases acting on phosphates. 6-PyruvoylTetrahydropterin Synthase catalyzes the elimination of inorganic triphosphate from dihydroneopterin triphosphate, which is the second and irreversible step in the biosynthesis of tetrahydrobiopterin from GTP. Tetrahydrobiopterin, is a necessary cofactor and regulator of a range of enzyme activities, including enzymes involved in serotonin biosynthesis and NO synthase activity. Mutations in 6-PyruvoylTetrahydropterin Synthase gene result in hyperphenylalaninemia.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 95.0% as determined by Analysis by SDS-PAGE.
<b>Content :</b>	6-PyruvoylTetrahydropterin Synthase is formulated in 20mM Tris-HCl buffer pH-8, 1mM DTT and 20% glycerol.
<b>Storage condition :</b>	6-PyruvoylTetrahydropterin Synthase although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSSLVPRGSH MSTEGGGRRC QAQVSRRI SF SASHRLYSKF LSDEENLKL F GKCNNPNGHG HNYKVVTVH GEIDPATGMV MNLADLKKYM EEAIMQPLDH KNLDMDVPHY ADVVSTTENV AVYIWDNLQK VLPVGVLYKV KVYETDNNIV VYKGE.

