

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

PTS, 1-145aa Human, His tag, E.coli

产品货号: TP03603

第三版

**别名:**6-pyruvoyltetrahydropterin synthase, PTPS, PTP synthase

**描述:**6-Pyruvoyltetrahydropterin synthase (PTS), also known as PTPS, belongs to the family of lyases, specifically those carbon-oxygen lyases acting on phosphates. The enzyme encoded by this gene catalyzes the elimination of inorganic triphosphate from dihydroneopterin triphosphate, which is the second and irreversible step in the biosynthesis of tetrahydrobiopterin from GTP. Tetrahydrobiopterin, also known as BH(4), is an essential cofactor and regulator of various enzyme activities, including enzymes involved in serotonin biosynthesis and NO synthase activity.

**配方:**Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT

**分子量:**18.5 kDa (165aa)

**序列:**

MGSSHHHHHSSGLVPRGSHMSTEGGRRRCQAQVSRRI SF SASHRLYSKFLSDEENLKLFGKCNPNPNGHGHNYKVVVT  
VHGEIDPATGMVMNLADLKKYMEEAIMQPLDHKNLDMVYPFADVSTTENVAVYIWDNLQKVLPGVLYKVKVYE  
TDNNIVVYKGE

**纯度:**> 95% by HPLC

**浓度:**1 mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.