

Recombinant Full Length Human PTS Protein, Flag tagged

Cat. No. PTS-32HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human 6-pyruvoyltetrahydropterin synthase (PTS) with C-Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-145 aa
Description	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. Mutations in this gene result in hyperphenylalaninemia.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	16.2 kDa
AASequence	MSTEGGGRRRCQAQVSRISFSASHRLYSKFLSDEENLKLFGKCNNPNGHGHNYKV VVTVHGEIDPATGMVMNLADLKKYMEEAIMQPLDHKNLDMDPYPYFADVSTTENVA VYMWDNLQKVLPGVLYKVKVYETDNNIVVYKGETRTRPLEQKLISEEDLAANDILD YKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage	Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Concentration	> 0.05 µg/µL as determined by microplate BCA method

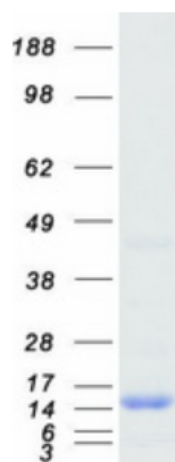
GENE INFORMATION

Gene Name	PTS 6-pyruvoyltetrahydropterin synthase [Homo sapiens (human)]
Official Symbol	PTS
Synonyms	PTS; PTPS; 6-pyruvoyltetrahydropterin synthase; 6-pyruvoyl tetrahydrobiopterin synthase; PTP synthase; EC 4.2.3.12
Gene ID	5805
mRNA Refseq	NM_000317
Protein Refseq	NP_000308
MIM	612719
UniProt ID	Q03393

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SDS-PAGE

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