

Recombinant Human PTS Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PTS-5376H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PTS MS Standard C13 and N15-labeled recombinant protein (NP_000308) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	16.4 kDa
AA Sequence	MSTEGGGRRRCQAQVSRRI SFSASHRLYSKFLSDEENLKLFGKCNNPNGHGHNYKV VVTVHGEIDPATGMVMNLADLKKYMEEAIMQPLDHKNLDMDVYPYFADVSTTENVA VYMWDNLQKVLPGVLYKVKVYETDNNIVVYKGETRTRPLEQKLISEEDLAANDILD YKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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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