

Recombinant Mouse Pts Protein, Myc/DDK-tagged

Cat. No. Pts-5253M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length 6-pyruvoyl-tetrahydropterin synthase (Pts), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in the biosynthesis of tetrahydrobiopterin, an essential cofactor of aromatic amino acid hydroxylases. Catalyzes the transformation of 7,8-dihydroneopterin triphosphate into 6-pyruvoyl tetrahydropterin.
Molecular Mass	16.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	Pts 6-pyruvoyl-tetrahydropterin synthase [Mus musculus (house mouse)]
Official Symbol	Pts
Synonyms	Pts; 6-pyruvoyl-tetrahydropterin synthase; PTPS; 6-pyruvoyl tetrahydrobiopterin synthase; PTP synthase; EC 4.2.3.12
Gene ID	19286
mRNA Refseq	NM_011220
Protein Refseq	NP_035350
UniProt ID	Q9R1Z7

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