Recombinant Mouse Pycr1 Protein, Myc/DDK-tagged

Cat. No. Pycr1-5270M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length pyrroline-5-carboxylate reductase 1 (Pycr1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Housekeeping enzyme that catalyzes the last step in proline biosynthesis. Can utilize both NAD and NADP, but has higher affinity for NAD. Involved in the cellular response to oxidative stress.
Molecular Mass	32.4 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	Pycr1 pyrroline-5-carboxylate reductase 1 [Mus musculus (house mouse)]
Official Symbol	Pycr1
Synonyms	PYCR1; pyrroline-5-carboxylate reductase 1; pyrroline-5-carboxylate reductase 1, mitochondrial; P5CR 1; P5C reductase 1; MGC11688
Gene ID	209027
mRNA Refseq	NM_144795
Protein Refseq	NP_659044
UniProt ID	Q922W5

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