

Recombinant Mouse Pycr2 Protein, Myc/DDK-tagged

Cat. No. Pycr2-5271M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length pyrroline-5-carboxylate reductase family, member 2 (Pycr2), 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. In some cell types, such as erythrocytes, its primary function may be the generation of NADP+. Can utilize both NAD and NADP. Has higher affinity for NADP, but higher catalytic efficiency with NADH. Involved in cellular response to oxidative stress.
Molecular Mass	33.7 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	Pycr2 pyrroline-5-carboxylate reductase family, member 2 [Mus musculus (house mouse)]
Official Symbol	Pycr2
Synonyms	PYCR2; pyrroline-5-carboxylate reductase family, member 2; pyrroline-5-carboxylate reductase 2; P5CR 2; P5C reductase 2; P5cr2; 1810018M05Rik
Gene ID	69051
mRNA Refseq	NM_133705
Protein Refseq	NP_598466
UniProt ID	Q922Q4

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