Recombinant Mouse Pycrl Protein, Myc/DDK-tagged

Cat. No. Pycrl-5272M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length pyrroline-5-carboxylate reductase-like (Pycrl), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Enzyme that catalyzes the last step in proline biosynthesis. Proline is synthesized from either glutamate or ornithine; both are converted to pyrroline-5-carboxylate (P5C), and then to proline via pyrroline-5-carboxylate reductases (PYCRs). PYCRL is exclusively linked to the conversion of ornithine to proline.
Molecular Mass	28.7 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.

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GENE INFORMATION

Gene Name	Pycrl pyrroline-5-carboxylate reductase-like [Mus musculus (house mouse)]
Official Symbol	Pycrl
Synonyms	PYCRL; pyrroline-5-carboxylate reductase-like; pyrroline-5-carboxylate reductase 3; P5CR 3; P5C reductase 3; pyrroline-5-carboxylate reductase-like protein; 1110058B13Rik; 2700073G24Rik
Gene ID	66194
mRNA Refseq	NM_025412
Protein Refseq	NP_079688
UniProt ID	Q9DCC4

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