

Recombinant Human PYCR3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PYCR3-3613H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PYCR3 MS Standard C13 and N15-labeled recombinant protein (NP_075566) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein that belongs to the pyrroline-5-carboxylate reductase family of enzymes. Members of this family catalyze the final step in proline biosynthesis, converting pyrroline-5-carboxylate to proline. Glutamate and ornithine are precursors in the synthesis of proline. The protein encoded by this gene is a cytoplasmic enzyme involved in the biosynthesis of proline from ornithine.
Molecular Mass	28.6 kDa
AA Sequence	MAAAEPSRRVGFVVGAGRMAGAIAQGLIRAGKVEAQHILASAPTDRLCHFQALGC RTTHSNQEVLQSCLLVIFATKPHVLPVLAEVAPVVTTEHILVSVAAGVSLSTLELLP PNTRVLRVLPNLPVQEGAIVMARGRHVGSSETNLLQHLLEACGRCEEVPEAYVDI HTGLSGSGVAFVCAFEALAEAGAVKMGMPSSLAHRIAQTLLGTAKMLLHEGQHPA QLRSDVCTPGGTTIYGLHALEQGGLRAATMSAVEAATCRAKELSRKTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling 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.

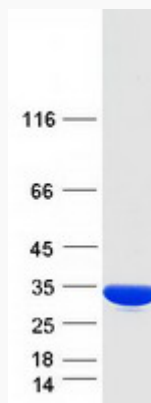
GENE INFORMATION

Gene Name	PYCR3 pyrroline-5-carboxylate reductase 3 [Homo sapiens (human)]
Official Symbol	PYCR3
Synonyms	PYCR3; pyrroline-5-carboxylate reductase 3; PYCRL; pyrroline-5-carboxylate reductase 3; P5C reductase 3; P5CR 3; pyrroline-5-carboxylate reductase-like; EC 1.5.1.2
Gene ID	65263
mRNA Refseq	NM_023078
Protein Refseq	NP_075566
MIM	616408
UniProt ID	Q53H96

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SDS-PAGE

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