Recombinant Full Length Human PYCR3 Protein, C-Flag-tagged

Cat. No. PYCR3-2122HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PYCR3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	28.5 kDa
AA Sequence	MAAAEPSPRRVGFVGAGRMAGAIAQGLIRAGKVEAQHILASAPTDRNLCHFQALGC RTTHSNQEVLQSCL LVIFATKPHVLPAVLAEVAPVVTTEHILVSVAAGVSLSTLEELLP PNTRVLRVLPNLPCVVQEGAIVMAR GRHVGSSETNLLQHLLEACGRCEEVPEAYVD IHTGLSGSGVAFVCAFSEALAEGAVKMGMPSSLAHRIAA QTLLGTAKMLLHEGQHP AQLRSDVCTPGGTTIYGLHALEQGGLRAATMSAVEAATCRAKELSRK TRTRPLEQK LISEEDLAANDILDYKDDDDKV

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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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Arginine and proline metabolism, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	PYCR3 pyrroline-5-carboxylate reductase 3 [Homo sapiens (human)]
Official Symbol	PYCR3
Synonyms	PYCRL
Gene ID	65263
mRNA Refseq	NM_023078.6
Protein Refseq	NP_075566.3
MIM	616408

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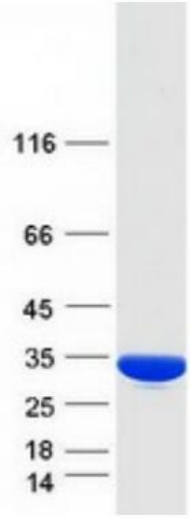
UniProt ID	Q53H96



Coomassie blue staining of purified PYCR3 protein.

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