Recombinant Full Length Human PYCR2 Protein, C-Flag-tagged

Cat. No. PYCR2-2161HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PYCR2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene belongs to the pyrroline-5-carboxylate reductase family. The encoded mitochondrial protein catalyzes the conversion of pyrroline-5-carboxylate to proline, which is the last step in proline biosynthesis. Alternatively spliced transcript variants have been described for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	33.5 kDa
AA Sequence	MSVGFIGAGQLAYALARGFTAAGILSAHKIIASSPEMNLPTVSALRKMGVNLTRSNKE TVKHSDVLFLAV KPHIIPFILDEIGADVQARHIVVSCAAGVTISSVEKKLMAFQPAPKVI RCMTNTPVVVQEGATVYATGTH ALVEDGQLLEQLMSSVGFCTEVEEDLIDAVTGLS GSGPAYAFMALDALADGGVKMGLPRRLAIQLGAQAL LGAAKMLLDSEQHPCQLKD NVCSPGGATIHALHFLESGGFRSLLINAVEASCIRTRELQSMADQEKISPA ALKKTLL DRVKLESPTVSTLTPSSPGKLLTRSLALGGKKD TRTRPLEQKLISEEDLAANDILDYK DDDDKV

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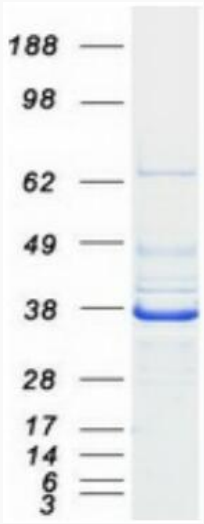
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate 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	PYCR2 pyrroline-5-carboxylate reductase 2 [Homo sapiens (human)]
Official Symbol	PYCR2
Synonyms	HLD10; P5CR2
Gene ID	29920
mRNA Refseq	NM_013328.4
Protein Refseq	NP_037460.2
MIM	616406

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UniProt ID	Q96C36



Coomassie blue staining of purified PYCR2 protein.

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