

Recombinant Human PYCR1 protein, His-tagged

Cat. No. PYCR1-5744H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PYCR1 protein(14-148 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	14-148 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	ALAKGFTAAGVLA AHKIMASSPDMDLATVSALRKMGVKLTPHNKETVQHSDVLF ^{AV} KPHIIPFILDEIGADIEDRHIVVSCAAGVTISSIEKKLSAFRPAPRVIRCMTNTPV ^{VV} REG ATVYATGTHAQVEDGRL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25

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g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name PYCR1 pyrroline-5-carboxylate reductase 1 [Homo sapiens]

Official Symbol PYCR1

Synonyms PYCR1; pyrroline-5-carboxylate reductase 1; pyrroline-5-carboxylate reductase 1, mitochondrial; P5C; P5CR 1; P5C reductase 1; proliferation-inducing protein 45; mitochondrial pyrroline-5-carboxylate reductase 1; P5CR; PRO3; PYCR; PIG45; PP222; ARCL2B; ARCL3B;

Gene ID 5831

mRNA Refseq NM_006907

Protein Refseq NP_008838

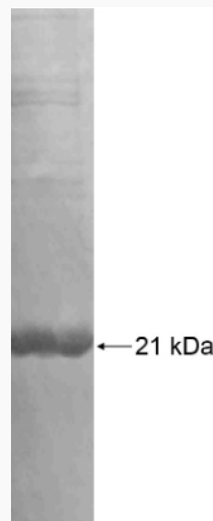
MIM 179035

UniProt ID P32322

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SDS-PAGE

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