

Recombinant Human PYCR1 protein, His-SUMO-tagged

Cat. No. PYCR1-3396H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PYCR1 protein(Q8TBX0)(1-171aa), fused to N-terminal His-SUMO tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-171aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	33.7 kDa
AA Sequence	MEQLSSVGFCTEVEEDLIDAVTGLSGSGPAYAFTALDALADGGVKMGLPRRLAVRL GAQALLGAAKMLLHSEQHPGQLKDNVSSPGGATIHVLES GGFRSLLINAVEASC IRTRELQSMADQEQVSPAAIKKTILDKVKLDSPAGTALSPSGHTKLLPRSLAPAGKD
Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

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Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

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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