

## Pyrroline-5-Carboxylate Reductase 1 Human Recombinant

<b>Item Number</b>	rAP-1753
<b>Synonyms</b>	P5C, PRO3, P5CR 1, Pyrroline-5-Carboxylate Reductase 1 mitochondrial, ARCL2B, PYCR, PIG45, PP222, Proliferation-Inducing Protein 45.
<b>Description</b>	PYCR1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 339 amino acids (1-319a.a.) and having a molecular mass of 35.5kDa.PYCR1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P32322
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MSVGFAGQ LAFALAKGFT AAGVLAHAI MASSPDMDLA TVSALRK-MGV KLTPHNKETV QHSDVLFVAV KPHIIPFILD EIGADIEDRH IVVSCAAGVT ISSIEKKLSA FRPAP-RVIRC MTNTPVVVRE GATVYATGTH AQVEDGRLME QLLSSVGFCT EVEEDLIDAV TGLSGSGPAY AFTALDALAD GGVKMGLPRR LAVRLGAQAL LGAAKMLLHS EQHPGQLKDN VSSPGGATIH ALHVLESGGF RSLINAVEA SCIRTRELQS MADQEQVSPA AIKKTILDKV KLDSPAGTAL SPSGHTKLLP RSLAPAGKD
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The PYCR1 protein solution (0.5mg/1ml) is formulated in 20 mM Tris-HCl Buffer (pH 8.5) and 10% Glycerol. Greater than 90% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**