

Pyrroline-5-Carboxylate Reductase Like Human Recombinant

Item Number	rAP-1805
Synonyms	Pyrroline-5-carboxylate reductase 3, P5C reductase 3, P5CR 3, Pyrroline-5-carboxylate reductase-like protein, PYCRL.
Description	PYCRL Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 297 amino acids (1-274) and having a molecular mass of 31kDa. PYCRL is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q53H96
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAAAEPS PRRVGFVGAG RMAGAIQGL IRAGKVEAQH ILASAPTRDN LCHFQALGCR TTHSNQEVQL SCLLVIFATK PHVLPVLAEL VAPVVTTEHI LVSVAAGVSL STLEELLPPN TRVLRVLPNL PCVVQEGAIV MARGRHVGSS ETNLLQHLL ACGRCEEVPE AYVDIHTGLS GSGVAFVCAF SEALAEGAVK MGMPSSLAHR IAAQTLLGTA KMLLHEGQHP AQLRSDVCTP GGTTIYGLHA LEQGGLRAAT MSAVEAATCR AKELSRK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless 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.
Formulation and Purity	The PYCRL solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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**