

Pyrroline-5-Carboxylate Reductase 2 Human Recombinant

Item Number	rAP-1763
Synonyms	P5CR2, Pyrroline-5-carboxylate reductase 2 isoform 1, P5C reductase 2.
Description	PYCR2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 343 amino acids (1-320 a.a) and having a molecular mass of 36kDa. PYCR2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q96C36
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMVGFIFG AGQLAYALAR GFTAAGILSA HKIIASSPEM NLPTVSALRK MGVNLTRSNK ETVKHSDVLF LAVKPHIIPF ILDEIGADVQ ARHIVVSCAA GVTISSVEKK LMAFQPAPKV IRCMNTNPVV VQEGATVYAT GTHALVEDGQ LLEQLMSSVG FCTEVEEDLI DAVTGLSGSG PAYAFMAL- DA LADGGVKMGL PRRLAIQLGA QALLGAAKML LDSEQHPCQL KDNVCSPPGA TIHALHFLES GGFRSLLI- NA VEASCIRTRE LQSMADQEKI SPAALKKTLL DRVKLESPTV STLTSPSPGK LLTRSLALGG KKD.
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	PYCR2 protein solution (0.25mg/ml) in phosphate buffered saline (pH7.4), 50% glycerol, 5mM DTT and 1mM EDTA. 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**