

## 32-6906: PYCR2 Human

**Alternative Name :** P5CR2, Pyrroline-5-carboxylate reductase 2 isoform 1, P5C reductase 2.

### Description

Source: Escherichia Coli.

Sterile Filtered colorless solution.

Pyrroline-5-carboxylate reductase 2 isoform 1 (PYCR2) is a member of the pyrroline-5-carboxylate reductase family. PYCR2 protein catalyzes the conversion of pyrroline-5-carboxylate to proline, which is the last step in proline biosynthesis. The three substrates of the PYCR2 enzyme are L-proline, NAD<sup>+</sup>, and NADP<sup>+</sup>, while its four products are 1-pyrroline-5-carboxylate, NADH, NADPH, and H<sup>+</sup>.

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.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** PYCR2 protein solution (0.25mg/ml) in phosphate buffered saline (pH7.4), 50% glycerol, 5mM DTT and 1mM EDTA.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMVGFIG AGQLAYALAR GFTAAGILSA HKIIASSPEM NLPTVSALRK  
MGVNLTRSNK ETVKHSDVLF LAVKPHIIPF ILDEIGADVQ ARHIVVSCAA GVTISSVEKK LMAFQPAPKV  
IRCMTNTPVV VQEGATVYAT GTHALVEDGQ LLEQLMSSVG FCTEVEEDLI DAVTGLSGSG PAYAFMALDA  
LADGGVKMGL PRLAIQLGA QALLGAAKML LDSEQHPCQL KDNVCSPGGA TIHALHFLES GGFRSLINA  
VEASCIRTRE LQSMADQEKI SPAALKKTLL DRVKLESPTV STLTSPSPGK LLTRSLALGG KKD.