

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⁺, and NADP⁺, while its four products are 1-pyrroline-5-carboxylate, NADH, NADPH, and H⁺.

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 MGSMSVGFIG AGQLAYALAR GFTAAGILSA HKIIASSPEM NLPTVSALRK
MGVNLTRS NK ETVKHS D V L F LAVKPHIIPF ILDEIGADVQ ARHIVVSCAA GVTISSVEKK LMAFQPAPKV
IRCMTNTPVW VQEGATVYAT GTHALVEDGQ LLEQLMSSVG FCTEVEEDLI DAVTGLSGSG PAYAFMALDA
LADGGVKMGL PRLAIQLGA QALLGAAKML LDSEQHPCQL KDNVCSPGGA TIHALHFLES GGFRSLINA
VEASCIRTRE LQSMADQEKI SPAALKKTLL DRVKLESPTV STLTSPSPGK LLTRSLALGG KKD.