

Recombinant Human PYCR1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PYCR1-1742H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PYCR1 MS Standard C13 and N15-labeled recombinant protein (NP_722546) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an enzyme that catalyzes the NAD(P)H-dependent conversion of pyrroline-5-carboxylate to proline. This enzyme may also play a physiologic role in the generation of NADP(+) in some cell types. The protein forms a homopolymer and localizes to the mitochondrion. Alternative splicing results in multiple transcript variants.
Molecular Mass	33.2 kDa
AA Sequence	MSVGFAGAGQLAFALAKGFTAAGVLAHKIMASSPDMDLATVSALRKMVGKLTPHNK ETVQHSDVLFLAVKPHIIPFILDEIGADIEDRHIVVSCAAGVTISSIEKKLSAFRPAPRVI RCMTNTPVVVREGATVYATGTHAQVEDGRLMEQQLSSVGFCTEVEEDLIDAVTGLS GSGPAYAFTALDALADGGVKMGLPRRLAVRLGAQALLGAAKMLLHSEQHPGQLKD NVSSPGGATIHVLES GGFRSLLINAVEASCIRTRELQSMADQEQVSPAAIKKTILD KDHLPLELGSPEGLHPLLLQYQLARAPSTRTRPLEQKLISEEDLAANDILDYKDDDDK V
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

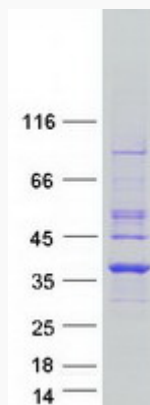
GENE INFORMATION

Gene Name	PYCR1 pyrroline-5-carboxylate reductase 1 [Homo sapiens (human)]
Official Symbol	PYCR1
Synonyms	PYCR1; pyrroline-5-carboxylate reductase 1; pyrroline-5-carboxylate reductase 1, mitochondrial; P5C; P5CR 1; P5C reductase 1; proliferation-inducing protein 45; mitochondrial pyrroline-5-carboxylate reductase 1; P5CR; PRO3; PYCR; PIG45; PP222; ARCL2B; ARCL3B;
Gene ID	5831
mRNA Refseq	NM_153824
Protein Refseq	NP_722546
MIM	179035
UniProt ID	P32322

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA