

Recombinant Human PYCR2 293 Cell Lysate

Cat. No. PYCR2-2647HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for pyrroline-5-carboxylate reductase family, member 2 (PYCR2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 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

Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

PYCR2 pyrroline-5-carboxylate reductase family, member 2 [Homo sapiens]

Official Symbol

PYCR2

Synonyms

PYCR2; pyrroline-5-carboxylate reductase family, member 2; pyrroline-5-carboxylate reductase 2; P5CR2; P5CR 2; P5C reductase 2; pyrroline 5-carboxylate reductase isoform; FLJ54750;

Gene ID

29920

mRNA Refseq

NM_013328

Protein Refseq

NP_037460

UniProt ID

Q96C36

Chromosome Location

1q42.13

Pathway

Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Proline biosynthesis, glutamate =>proline, organism-specific biosystem; Proline biosynthesis, glutamate => proline, conserved biosystem;

Function

nucleotide binding; oxidoreductase activity; oxidoreductase activity, acting on the CH-

 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

OH group of donors, NAD or NADP as acceptor; pyrroline-5-carboxylate reductase activity;

 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