

## Product datasheet for **AR50730PU-S**

### **PYCRL (1-274, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	PYCRL (1-274, His-tag) human recombinant protein, 50 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSMAAAEPS PRRVGFVGAG RMAGAIQGL IRAGKVEAQH ILASAPTDRN LCHFQALGCR TTHSNQEV LQ SCLLVIFATK PHVLPVLA E VAPVVTTEHI LVSVAAGVSL STLEELLPPN TRVLRVLPNL PCVVQEGAI V MARGRHVGSS ETNLLQHLLE ACGRCEEVPE AYVDIHTGLS GSGVAFVCAF SEALAEGAVK MGMPSSLAHR IAAQTLLGTA KMLLHEGQHP AQLRSDVCTP GGTTIYGLHA LEQGGLRAAT MSAVEAATCR AKELSRK
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	31 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2 mM DTT
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human PYCRL protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001316795</a>
<b>Locus ID:</b>	65263
<b>UniProt ID:</b>	<a href="#">Q53H96</a> , <a href="#">B4DGI7</a>
<b>Cytogenetics:</b>	8q24.3
<b>Synonyms:</b>	PYCRL



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**Summary:**

This gene encodes a protein that belongs to the pyrroline-5-carboxylate reductase family of enzymes. Members of this family catalyze the final step in proline biosynthesis, converting pyrroline-5-carboxylate to proline. Glutamate and ornithine are precursors in the synthesis of proline. The protein encoded by this gene is a cytoplasmic enzyme involved in the biosynthesis of proline from ornithine. [provided by RefSeq, Aug 2016]

**Protein Pathways:**

Arginine and proline metabolism, Metabolic pathways

**Product images:**