

Product datasheet for **TP304525M**

PYCR2 (NM_013328) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pyrroline-5-carboxylate reductase family, member 2 (PYCR2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204525 protein sequence Red =Cloning site Green =Tags(s)

MSVGFIGAGQLAYALARGFTAAGILSAHKIIASSPEMNLPTVSALRKMGNLTRSNETVKHSDVLFVAV
KPHIIPFILDEIGADVQARHIVVSCAAGVTISSVEKKLMAFQPAPKVIRCMNTNPVVVQEGATVYATGTH
ALVEDGQLEQLMSSVGFCTEVEEDLIDAVTGLSGSGPAYAFMALDALADGGVKMGLPRRLAIQLGAQAL
LGAAMLLDSEQHPCQLKDNVCSPPGATIHAIHFLESGGFRSLINAVEASCIRTRELQSMADQEKISPA
ALKKTLDRVKLESPTVSTLTPSSPGKLLTRSLALGGKKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	33.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_037460</u>
Locus ID:	29920



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UniProt ID: [Q96C36](#), [A0A0S2Z5U6](#)

RefSeq Size: 1771

Cytogenetics: 1q42.12

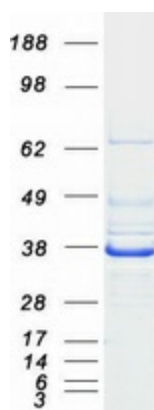
RefSeq ORF: 960

Synonyms: HLD10; P5CR2

Summary: This gene belongs to the pyrroline-5-carboxylate reductase family. The encoded mitochondrial protein catalyzes the conversion of pyrroline-5-carboxylate to proline, which is the last step in proline biosynthesis. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Nov 2012]

Protein Pathways: Arginine and proline metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified PYCR2 protein (Cat# [TP304525]). The protein was produced from HEK293T cells transfected with PYCR2 cDNA clone (Cat# [RC204525]) using MegaTran 2.0 (Cat# [TT210002]).