

Product datasheet for PH304525

PYCR2 (NM_013328) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PYCR2 MS Standard C13 and N15-labeled recombinant protein (NP_037460)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204525
Predicted MW:	33.6 kDa
Protein Sequence:	>RC204525 protein sequence Red=Cloning site Green=Tags(s) MSVGFIGAGQLAYALARGFTAAGILSAHKIIASSPEMNLPTVSALRKMGNLTRSNKETVKHSDVFLAV KPHIIPFILDEIGADVQARHIVVSCAAGVTISSVEKKLMAFQPAPKVIRCMTNTPVVVQEGATVYATGTH ALVEDGQLLLEQLMSSVGFCTEVEEDLIDAVTGLSGSGPAYAFMALDALADGGVKMGLPRRLAIQLGAQAL LGAAKMLLDSEQHPCQLKDNVCSPPGGATIHAFHFLESGGFRSLLINAVEASCIRTRELQSMADQEKISPA ALKKTL LDRVKLESPTVSTLTPSSPGKLLTRSLALGGKKD TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_037460</u>
RefSeq Size:	1771
RefSeq ORF:	960
Synonyms:	HLD10; P5CR2
Locus ID:	29920



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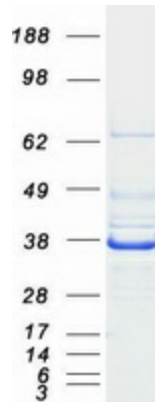
UniProt ID: [Q96C36](#), [A0A0S2Z5U6](#)

Cytogenetics: 1q42.12

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]).