

Product datasheet for PH303382

PYCR3 (NM_023078) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PYCR3 MS Standard C13 and N15-labeled recombinant protein (NP_075566)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203382
Predicted MW:	28.6 kDa
Protein Sequence:	>RC203382 protein sequence Red=Cloning site Green=Tags(s)
	MAAAEPSRRVGFVAGRMAGAI AQGLIRAGKVEAQHILASAPTRNLCHFQALGCRTTHSNQEVLQSCL LVIFATKPHVLPVLAEVAPVVTTEHILVSVAAGVSLSTLEELLPPNTRVLRVLPNLPCVVQEGAIVMAR GRHVGSSSETNLLQHLLEACGRCEEVPEAYVDIHTGLSGSGVAFVCAFSEALAEAGVKMGMPSSLAHRIAA QTLTGTAKMLLHEGQHPAQLRSDVCTPGGTTIYGLHALEQGGLRAATMSAVEAATCRAKELSRK
	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:	NP_075566
RefSeq Size:	2678
RefSeq ORF:	822
Synonyms:	PYCR3
Locus ID:	65263
UniProt ID:	Q53H96 , A0A0A0MQS1



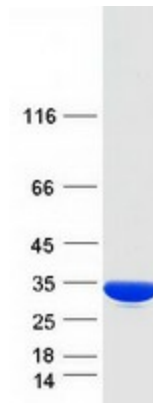
[View online »](#)

Cytogenetics: 8q24.3

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:



Coomassie blue staining of purified PYCR3 protein (Cat# [TP303382]). The protein was produced from HEK293T cells transfected with PYCR3 cDNA clone (Cat# [RC203382]) using MegaTran 2.0 (Cat# [TT210002]).