

Product datasheet for **TP504385**

Pycr1 (NM_144795) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse pyrroline-5-carboxylate reductase 1 (Pycr1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204385 protein sequence Red =Cloning site Green =Tags(s)
	 MSVGFIGAGQLAFALAKGFTAAGVLAHAKIMASSPDMDQATVSALRKIGVNLTPHNKETVRHSDVFLFLAV KPHIIPFILDEIGANIEDRHIVSACAAGVTINSIEKKLTAFQPAPKVIRCMTNTPVWVREGVTYYATGTH AQVEDGRLVEQLMGVGFCTEVEEDLIDAVTGLSGSGPAYAFTALDALADGGVKMGLPRRLAVRLGAQAL LGAAMLLDSEQHPSQLKDNVCSPGGATIHVLESVGGFRSLLINAVEASCIRTRELQTMADQETISPA AIKKTVLDKVKLDSSAGASLSSDHVKPLP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	32.4 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
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 after receiving vials.
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:	NP_659044
Locus ID:	209027
UniProt ID:	Q922W5 , Q3UTR5



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RefSeq Size: 2914

Cytogenetics: 11 E2

RefSeq ORF: 930

Synonyms: P5CR 1; P5CR1

Summary: Housekeeping enzyme that catalyzes the last step in proline biosynthesis. Can utilize both NAD and NADP, but has higher affinity for NAD. Involved in the cellular response to oxidative stress.[UniProtKB/Swiss-Prot Function]