

Product datasheet for **TP503146**

Pycrl (NM_025412) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse pyrroline-5-carboxylate reductase-like (Pycrl), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203146 protein sequence Red =Cloning site Green =Tags(s)

MAATMSEPRRVGFGAGRMAEAIARGLIQAGKVEAKQVLASAPTDNNLCHFRALGCQTTHSNHEVLQNCPLVIFATKPQVLPTVLAEVAPIVTTEHIIIVSVAAGISLSTMEGLLPNTRVLRVSPNLPCVVQEGAMVMARGHHAGNDDAELLQNLLEACGQCIEVPESYVDIHTGLSGSGVAFVCTFSEALAEGAIKMGMPGLAHRIAAQTLTGAKMLQQEGKHPAQLRTRDVLTPAGTTIHGLHALERGGFRAATMSAVEAATCRAKELSKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	28.7 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_079688
Locus ID:	66194
UniProt ID:	Q9DCC4
RefSeq Size:	1353



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Cytogenetics: 15 D3

RefSeq ORF: 825

Synonyms: 1110058B13Rik; 2700073G24Rik; Pycr3

Summary: Enzyme that catalyzes the last step in proline biosynthesis. Proline is synthesized from either glutamate or ornithine; both are converted to pyrroline-5-carboxylate (P5C), and then to proline via pyrroline-5-carboxylate reductases (PYCRs). PYCRL is exclusively linked to the conversion of ornithine to proline.[UniProtKB/Swiss-Prot Function]