

Product datasheet for TP504629

Pycr2 (NM_133705) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse pyrroline-5-carboxylate reductase family, member 2 (Pycr2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204629 protein sequence Red =Cloning site Green =Tags(s)

MSVGFIGAGQLACALARGFTAAGVLSAHKIIASSPDMDLPTVSALRRMGVNLTRSNKDTV RHSDVLF
KPHIIPFILDEIGADVQERHIVVSCAAGVTISSVEKKLMAFQPAPKVIRCMNTPTVWVREGATVYATGTH
ALVEDGKLLLEQLMSSVGFCTEVEEDLIDAITGLSGSGPAYAFMALDALADGGVKMGVPRRLAVRLGAQAL
LGAAMLLDSEDHPGQLKDNVCSPPGATIHAIHFLESGGFRSLINAVEASCIRRELQSMADQEKVSPA
ALKKTLDRVKLESPTVSTLAPPSSGKLLTRNPAQGSKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	33.7 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_598466
Locus ID:	69051
UniProt ID:	Q922Q4 , Q3TMZ1



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RefSeq Size: 1615

Cytogenetics: 1 H4

RefSeq ORF: 963

Synonyms: 1810018M05Rik; P5cr2

Summary: Housekeeping enzyme that catalyzes the last step in proline biosynthesis. In some cell types, such as erythrocytes, its primary function may be the generation of NADP(+). Can utilize both NAD and NADP. Has higher affinity for NADP, but higher catalytic efficiency with NADH (By similarity). Involved in cellular response to oxidative stress (By similarity).[UniProtKB/Swiss-Prot Function]