

Product datasheet for **TP306603**

Dihydropyrimidinase (DPYS) (NM_001385) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dihydropyrimidinase (DPYS), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206603 protein sequence Red =Cloning site Green =Tags(s)

MAAPSRLIRGGRVNDddfSEVADVLVEDGWRALGHDLPPGGAPAGLRVLDAAAGKLVLPGGIDTHTH
M
QFPFMGSRSIDDFHQGTkaalsGGTTMIIDFAIPQKGGSLIEAFETWRSWADPKVCCDYSLHVAVTWWS
QVKEEMKILVQDKGVNSFKMFMaykdLYMVTDLLEYAFSRCKEIGAIAQVHAENGDLIAEGAKMLALG
ITGPEGHELCRPEAVEAEATLRAITIASAVNCPlyIVHVMSKSAAKVIADARRDGKVVYGEPIAASLGT
D
GTHYWNKEWHHAHHVMGPPLRPDPSTPDLFmNLLANDDLTTTGTDNCTFNtcQKALGKDDFTKIPN
GVN
GVEDRMSVIWEKGVHSGKMDENRFVAVTSTNAAKIFNlyPRKGRIAVGSDADIVIWDPKGTRTISAKTHH
QAVNfnIFEGMVCHGVPLVTISRGKVVEAGVFSVTAGDGKfIPRKPFAEYIYKRIKQRDRtCTPTPVER
APYKGEVATLksrVTKEDATAGTRKQAHp

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

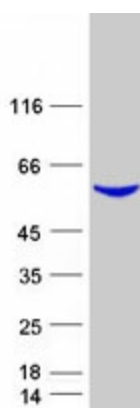
Tag:	C-Myc/DDK
Predicted MW:	56.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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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_001376
Locus ID:	1807
UniProt ID:	Q14117
RefSeq Size:	2197
Cytogenetics:	8q22.3
RefSeq ORF:	1557
Synonyms:	DHP; DHPase
Summary:	Dihydropyrimidinase catalyzes the conversion of 5,6-dihydrouracil to 3-ureidopropionate in pyrimidine metabolism. Dihydropyrimidinase is expressed at a high level in liver and kidney as a major 2.5-kb transcript and a minor 3.8-kb transcript. Defects in the DPYS gene are linked to dihydropyrimidinuria. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	beta-Alanine metabolism, Drug metabolism - other enzymes, Metabolic pathways, Pantothenate and CoA biosynthesis, Pyrimidine metabolism

Product images:



Coomassie blue staining of purified DPYS protein (Cat# TP306603). The protein was produced from HEK293T cells transfected with DPYS cDNA clone (Cat# [RC206603]) using MegaTran 2.0 (Cat# [TT210002]).