

Product datasheet for **TP306603L**

Dihydropyrimidinase (DPYS) (NM_001385) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dihydropyrimidinase (DPYS), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC206603 protein sequence
Clone or AA	Red=Cloning site Green=Tags(s)
Sequence:	<p>MAAPSRLLIRGGRVNDDEFSEADVLEDGVWRALGHDLPPGGAPAGLRVLDAAAGKLVLPGGIDTHTHM QFPFMGSRSIDDFHQGTKAALSGGTTMIIDFAIPQKGGSLIEAFETWRSWADPKVCCDYSLHVAVTWWS QVKEEMKILVQDKGVNSFKMF MAYKDLYMVTDLLEYAFSRCKEIGAIAQVHAENGDLIAEGAKKMLALG ITGPEGHELCPAEVAEATLRAITIASAVNCPYIVHVMKSAAKVIADARRDGKVYGEPIAASLGTD GTHYWNKEWHHAHHVMGPPLRPDPSTPDFLMNLLANDDLTTTGTDNCTFNTCQKALGKDDFTKIPNGVN GVEDRMSVIWEKGVHSGKMDENRFVAVTSTNAKIFNLPRKGRIAVGSDADIVIWDPKGTRTISAKTHH QAVNFNIFEGMVCHGVPLVTISRKVVYEAGVFSVTAGDGKFI PRKPFAEYIKRIKQRDRCTPTPVER APYKGEVATLKSRVTKEDATAGTRKQHP</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_001376](#)

Locus ID: 1807

UniProt ID: [Q14117](#)

RefSeq Size: 2197

Cytogenetics: 8q22.3

RefSeq ORF: 1557

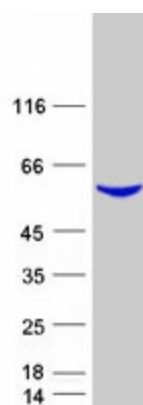
Synonyms: DHP; DHPase

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]).