

Product datasheet for **TP306603M**

Dihydropyrimidinase (DPYS) (NM_001385) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human dihydropyrimidinase (DPYS), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC206603 protein sequence

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MAAPSRLLIRGGRVNDFFSEVADVLVEDGWRALGHDLLPPGGAPAGLRVLDAAAGKLVLPGGIDTHTHM
QFPFMGSRSIDDFHQGTKAALSGGTTMIIDFAIPQKGGSLIEAFETWRSWADPKVCCDYSLHVAVTWWS
QVKEEMKILVQDKGVNSFKMF MAYKDL YMVTDLELYEAFSRCKEIGAI AQVHAENGLIAEGAKKMLALG
ITGPEGHELCPAEVAEATLRAITIASAVNCP LYIVHVMKSAKVIADARRDGKVYGEPIAASLGTD
GTHYWNKEWHHAHHVMGPPLRPDPSTPDFLMNLLANDDLTTTGTDNCTFNCTCQKALGKDDFTKIPNGVN
GVEDRMSVIWEKGVHSGKMDENRFVAVTSTNAAKIFNLYPRKGRIAVGSDADIVIWDPKGTRTISAKTHH
QAVNFNIFEGMVCHGVPLVTISRKVVYEAGVFSVTAGDGKFI PRKPF AEYIKRIKQRDRCTPTPVER
APYKGEVATLKS RVTKEDATAGTRKQ AHP

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.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online >](#)

RefSeq: [NP_001376](#)

Locus ID: 1807

UniProt ID: [Q14117](#)

RefSeq Size: 2197

Cytogenetics: 8q22.3

RefSeq ORF: 1557

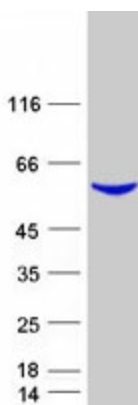
Synonyms: DHP; DHPase

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]).