

Product datasheet for PH306603

Dihydropyrimidinase (DPYS) (NM_001385) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DPYS MS Standard C13 and N15-labeled recombinant protein (NP_001376)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206603
Predicted MW:	56.6 kDa
Protein Sequence:	>RC206603 protein sequence Red=Cloning site Green=Tags(s)
	<p>MAAPSRLLIRGGRVNDFFSEVADVLVEDGVVRLGHDLLPPGGAPAGLRVLDAAAGKLVLPGGIDTHTHM QFFPMGSRSIDDFHQGTAAALSGGTTMIIDFAIPQKGGSLIEAFETWRSWADPKVCCDYSLHVAVTWSD QVKEEMKILVQDKGVNSFKMFAYKDLVMVTDLELYEAFSRCKEIGAIQVHAENGDLIAEGAKKMLALG ITGPEGHELCPPEAVEAEATLRAITIASAVNCPLYIVHVMSKSAKVIADARRDGKVVYGEPIAASLGTD GTHYWNKEWHHAHHVMGPPLRDPSTPDFLMNLLANDDLTTTGTDNCTFNTCQKALGKDDFTKIPNGVN GVEDRMSVIWEKGVHSGKMDENRFVAVTSTNAAKIFNL YPRKGRIAVGSDADIVIWDPKGTRTISAKTHH QAVNFNIFEGMVCHGVPLVTISRKVVYEAGVFSVTAGDGKFI PRKPF AEYIYKR IQRDRCTPTPVER APYKGEVATLKS RVTKEDATAGTRKQ AHP</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001376</u>
RefSeq Size:	2197
RefSeq ORF:	1557



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Synonyms: DHP; DHPase

Locus ID: 1807

UniProt ID: [Q14117](#)

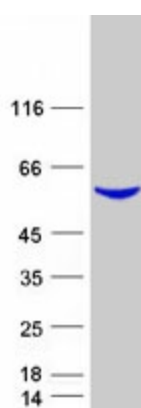
Cytogenetics: 8q22.3

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]).