

Recombinant Human DPYS Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DPYS-3808H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DPYS MS Standard C13 and N15-labeled recombinant protein (NP_001376) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	56.6 kDa
AA Sequence	MAAPSRLLIRGGRVVNDDFSEVADVLVEDGVVRLGHDLLPPGGAPAGLRVLDAAG KLVLPGGIDTHTHMQPFPMGSRSIDDFHQGTKAALSGGTTMIDFAIPQKGGSLIEAF ETWRSWADPKVCCDYSLHVAVTWSDQVKEEMKILVQDKGVNSFKMF MAYKDLY MVTDLLEYEAFSRCKEIGAIAQVHAENGDLIAEGAKKMLALGITGPEGHELCP EAVE AEATLRAITIASAVNCPLYIVHVMSKSAKVIADARRDGKV VYGEPIAASLGT DGTHY WNKEWHHAAHHVMGPPLRPDPSTPDFLMNLLANDDLTTTGTDNCTFNTCQKALGK DDFTKIPNGVNGVEDRMSVIWEKGVHSGKMDENRFVAVTSTNAAKIFNLYPRKGRIA VGSDADIVIWDPKGTRTISAKTHHQAVNFNIFEGMVCHGVPLVTISR GKVVYEAGVF SVTAGDGKFI PRKPF AEYIYKRIKQRDRTCTPTPVERAPYKGEVATLKSRVTKEDATA

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GTRKQAHPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

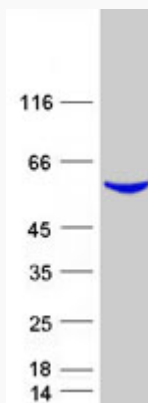
GENE INFORMATION

Gene Name	DPYS dihydropyrimidinase [Homo sapiens (human)]
Official Symbol	DPYS
Synonyms	DPYS; dihydropyrimidinase; DHPase; hydantoinase; dihydropyrimidine amidohydrolase; DHP;
Gene ID	1807
mRNA Refseq	NM_001385
Protein Refseq	NP_001376
MIM	613326
UniProt ID	Q14117

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SDS-PAGE

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