

Recombinant Human DPYS, His-tagged

Cat. No. DPYS-12157H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DPYS protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-286a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	DPYS dihydropyrimidinase [Homo sapiens]
Official Symbol	DPYS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms	DPYS; dihydropyrimidinase; DHPase; hydantoinase; dihydropyrimidine amidohydrolase; DHP;
Gene ID	1807
mRNA Refseq	NM_001385
Protein Refseq	NP_001376
MIM	613326
UniProt ID	Q14117
Chromosome Location	8q22
Pathway	Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Fluoropyrimidine Activity, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Pantothenate and CoA biosynthesis, organism-specific biosystem;
Function	amino acid binding; dihydropyrimidinase activity; dihydropyrimidinase activity; dihydropyrimidinase activity; metal ion binding; phosphoprotein binding; thymine binding; uracil binding; zinc ion binding;