

Recombinant Full Length Human DPYS Protein, GST-tagged

Cat. No. DPYS-4167HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DPYS full-length ORF (ADZ15412.1, 1 a.a. - 519 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	519 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	57.1 kDa
AA Sequence	MAAPSRLLIRGGRVVNDDFSEVADVLVEDGVVRALGHDLLPPGGAPAGLRVLDAAG KLVLPGGIDTHTHMQFPFMGSRSIDDFHQGTAAALSGGTTMIIDFAIPQKGGSLIEAF ETWRSWADPKVCCDYSLHVAVTWWSQVKEEMKILVQDKGVNSFKMF MAYKDLY MVTDLLEYEAFSRCKEIGAIAQVHAENGDLIAEGAKKMLALGITGPEGHELCPPEAVE AEATLRAITIASAVNCPLYIVHVMKSAKVIADARRDGKVVYGEPIAASLGTGTHY WNKEWHHAAHHVMGPPLRPDPSTPDFLMNLLANDDLTTTGTDNCTFNTCQKALGK DDFTKIPNGVNGVEDRMSVIWEKGVHSGKMDENRFVAVTSTNAAKIFNLYPRKGRIA VGSDADIVIWDPKGTRTISAKTHHQAVNFNIFEGMVCHGVPLVTISRGKVVYEAGVF

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	SVTAGDGKFIPRKPF AEYIYKRIKQRDRTCTPTPVERAPYKGEVATLKSRVTKEDATA GTRKQ AHP
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

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UniProt ID

Q14117

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