

Recombinant Full Length Human DPYD Protein, GST-tagged

Cat. No. DPYD-4165HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DPYD full-length ORF (AAH08379, 1 a.a. - 173 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	173 amino acids
Description	The protein encoded by this gene is a pyrimidine catabolic enzyme and the initial and rate-limiting factor in the pathway of uracil and thymidine catabolism. Mutations in this gene result in dihydropyrimidine dehydrogenase deficiency, an error in pyrimidine metabolism associated with thymine-uraciluria and an increased risk of toxicity in cancer patients receiving 5-fluorouracil chemotherapy. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]
Molecular Mass	44.66 kDa
AA Sequence	MAPVLSKDSADIESILALNPRTQTHATLCSTSAKKLDKKHWKRNPDKNCFNCEKLEN NFDDIKHTTLGERGALREAMRCLKCADAPCQKSCPTNLDIKSFITSIANKNYYGAAKM IFSDNPLGLTCGMVCPTSDLCVGGCNLYATEEGPINIGGLQQFATETLILAFSLMNH
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	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	DPYD dihydropyrimidine dehydrogenase [Homo sapiens]
Official Symbol	DPYD
Synonyms	DPYD; dihydropyrimidine dehydrogenase; dihydropyrimidine dehydrogenase [NADP(+)]; DPD; dihydrouracil dehydrogenase; dihydrothymine dehydrogenase; DHP; DHPDHASE; MGC70799; MGC132008;
Gene ID	1806
mRNA Refseq	NM_000110
Protein Refseq	NP_000101
MIM	612779
UniProt ID	Q12882