

## Recombinant Human DPYD Protein, GST-tagged

Cat. No. DPYD-2860H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human DPYD full-length ORF ( AAH08379, 1 a.a. - 173 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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]
<b>Molecular Mass</b>	44.66 kDa
<b>AA Sequence</b>	MAPVLSKDSADIESILALNPRTQTHATLCSTSAAKLDKKHWKRNPDKNCFNCEKLEN NFDDIKHTTLGERGALREAMRCLKCADAPCQKSCPTNLDIKSFITSIANKNYYGAAKM IFSDNPLGLTCGMVCPTSDLCVGGCNLYATEEGPINIGGLQQFATETLILAFSLM NHL
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

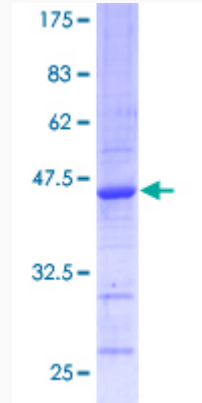
<b>Gene Name</b>	DPYD dihydropyrimidine dehydrogenase [ Homo sapiens ]
<b>Official Symbol</b>	DPYD
<b>Synonyms</b>	DPYD; dihydropyrimidine dehydrogenase; dihydropyrimidine dehydrogenase [NADP(+)]; DPD; dihydrouracil dehydrogenase; dihydrothymine dehydrogenase; DHP; DHPDHASE; MGC70799; MGC132008;
<b>Gene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

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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