Human DPYD Knockdown Cell Lysate

Cat. No. DPYD-142HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated DPYD Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	111 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg DPYD KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	beta-Alanine metabolism, Drug metabolism - other enzymes, Metabolic pathways, Pantothenate and CoA biosynthesis, Pyrimidine metabolism
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	DPYD dihydropyrimidine dehydrogenase [Homo sapiens (human)]
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

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