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DPYD Blocking Peptide (C-Term)

Synthetic peptide
Catalog # BP22058b

Specification

DPYD Blocking Peptide (C-Term) - Product Information

Primary Accession	Q12882
Other Accession	Q5R895

DPYD Blocking Peptide (C-Term) - Additional Information

Gene ID 1806

Other Names
Dihydropyrimidine dehydrogenase [NADP(+)], DHPDHase, DPD, 1.3.1.2, Dihydrothymine dehydrogenase, Dihydrouracil dehydrogenase, DPYD

Target/Specificity
The synthetic peptide sequence is selected from aa 861-875 of HUMAN DPYD

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DPYD Blocking Peptide (C-Term) - Protein Information

Name DPYD (HGNC:3012)

Function
Involved in pyrimidine base degradation (PubMed:1512248). Catalyzes the reduction of uracil and thymine (PubMed:1512248). Also involved the degradation of the chemotherapeutic drug 5-fluorouracil (PubMed:1512248).

Cellular Location
Cytoplasm.

Tissue Location
Found in most tissues with greatest activity found in liver and peripheral blood mononuclear cells

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DPYD Blocking Peptide (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

DPYD Blocking Peptide (C-Term) - Images

DPYD Blocking Peptide (C-Term) - Background

Involved in pyrimidine base degradation. Catalyzes the reduction of uracil and thymine. Also involved the degradation of the chemotherapeutic drug 5-fluorouracil.

DPYD Blocking Peptide (C-Term) - References

Yokota H.,et al.J. Biol. Chem. 269:23192-23196(1994).
Johnson M.R.,et al.Cancer Res. 57:1660-1663(1997).
Ogura K.,et al.Cancer Lett. 122:107-113(1998).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).