

UPP1 Blocking Peptide (C-Term)

Synthetic peptide

Catalog # BP22101b

Specification

UPP1 Blocking Peptide (C-Term) - Product InformationPrimary Accession [Q16831](#)**UPP1 Blocking Peptide (C-Term) - Additional Information**

Gene ID 7378

Other Names

Uridine phosphorylase 1, UPase 1, UrdPase 1, 2.4.2.3, UPP1, UP

Target/Specificity

The synthetic peptide sequence is selected from aa 225-237 of HUMAN UPP1

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.

UPP1 Blocking Peptide (C-Term) - Protein InformationName UPP1 ([HGNC:12576](#))

Synonyms UP

Function

Catalyzes the reversible phosphorylytic cleavage of uridine to uracil and ribose-1-phosphate which can then be utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis (PubMed:7488099). Shows broad substrate specificity and can also accept deoxyuridine and other analogous compounds (Probable).

UPP1 Blocking Peptide (C-Term) - Protocols

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

- [Blocking Peptides](#)

UPP1 Blocking Peptide (C-Term) - Images**UPP1 Blocking Peptide (C-Term) - Background**

Catalyzes the reversible phosphorylytic cleavage of uridine and deoxyuridine to uracil and ribose- or deoxyribose-1- phosphate. The produced molecules are then utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis.

UPP1 Blocking Peptide (C-Term) - References

Watanabe S.,et al.Biochem. Biophys. Res. Commun. 216:265-272(1995).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).
Roosild T.P.,et al.BMC Struct. Biol. 9:14-14(2009).