

HUMAN-UMPS(Y37) Blocking Peptide
Synthetic peptide
Catalog # BP20830b**Specification**

HUMAN-UMPS(Y37) Blocking Peptide - Product InformationPrimary Accession [P11172](#)**HUMAN-UMPS(Y37) Blocking Peptide - Additional Information****Gene ID** 7372**Other Names**

Uridine 5'-monophosphate synthase, UMP synthase, Orotate phosphoribosyltransferase, OPRT, OPRTase, Orotidine 5'-phosphate decarboxylase, ODC, OMPdecase, UMPS

Target/Specificity

The synthetic peptide sequence is selected from aa 30-50 of HUMAN UMPS

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.

HUMAN-UMPS(Y37) Blocking Peptide - Protein Information**Name** UMPS ([HGNC:12563](#))**Function**

Bifunctional enzyme catalyzing the last two steps of de novo pyrimidine biosynthesis, orotate phosphoribosyltransferase (OPRT), which converts orotate to orotidine-5'-monophosphate (OMP), and orotidine-5'-monophosphate decarboxylase (ODC), the terminal enzymatic reaction that decarboxylates OMP to uridine monophosphate (UMP).

HUMAN-UMPS(Y37) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HUMAN-UMPS(Y37) Blocking Peptide - Images

HUMAN-UMPS(Y37) Blocking Peptide - References

Suttle D.P.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:1754-1758(1988).
Suchi M.,et al.Adv. Exp. Med. Biol. 253A:511-518(1989).
Suchi M.,et al.Am. J. Hum. Genet. 60:525-539(1997).
Griffith M.,et al.Submitted (JUL-2008) to the EMBL/GenBank/DDBJ databases.
Shichijo S.,et al.Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.