



Recombinant Human UMPS Protein Product Manual

1. Product Basic Information

Product No.: REP08603

Protein Name: Ump Synthase (UMPS)

Aliases: ODC; OPRT; OPRTase; OMPdecase; UMP synthase; uridine monophosphate synthetase; orotate phosphoribosyltransferase; uridine 5'-monophosphate synthase; orotidine 5'-phosphate decarboxylase

UniProt ID: P11172

UniProt Link: <https://www.uniprot.org/uniprotkb/P11172/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (2-480)

Molecular Weight:

Protein Tag: Tag type will be determined during the manufacturing process. The tag type will be determined during production process. If you have specified tag type, please tell us and we will develop the specified tag preferentially.

2. Amino Acid Sequence (2-480)

AVARAALGPLVTGLYDVQAFKFGDFVLKSGLSPIYIDLRGIVSRPRLLSQVADILFQ
TAQNAGISFDTVCGVPYTALPLATVICSTNQIPMLIRRKETKDYGTKRLVEGTINPGE
TCLIIEDVVTSGSSVLETVEVLQKEGLKVTD AIVLLDREQGGKDKLQAHGIRLHSVCT
LSKMLEILEQQKKVDAETVGRVKRFIQENVFVAANHNGSPLSIKEAPKELSFGARAE
LPRIHPVASKLLRLMQKKETNLCLADVSLARELLQLADALGPSICMLKTHVDILNDF
TLDVMKELITLAKCHEFLIFEDRKFADIGNTVKKQYEGGIFKIASWADLVNAHVVPGS
GVVKGLQEVLPLHRGCLLIAEMSSTGSLATGDYTRAAVRMAEEHSEFVVGFIGS
RVSMKPEFLHLTPGVQLEAGGDNLGQQYNPQEVIGKRGSDIIIVGRGIISAADRLEA
AEMYRKAWEAYLSRLGV

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements)



Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human UMPS full length of mature protein protein (2-480) expressed in Yeast. UMPS, also known as ODC or OPRT or OPRTase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.