

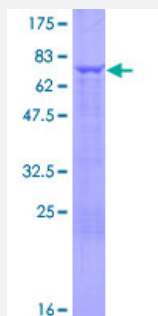
Full-Length

UMPS (Human) Recombinant Protein (P01)

Catalog # H00007372-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human UMPS full-length ORF (NP_000364.1, 1 a.a. - 480 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAVARAALGPLVTGLYDVQAFKFGDFVLKSGLSSPYDLRGVSRPRLLSQVADILFQTAQNAGIS
FDTVCGVPYTALPLATVICSTNQIPMLIRRKETKDYGTKRLVEGTINPGETCLIIEDVVTSGSSVLETV
EVLQKEGLKVTDAMLLDREQGGKDKLQAHGIRLHSVCTLSKMLEILEQQKKVDAETVGRVKRFIQ
ENVFVAANHNGSPLSIKEAPKELSFGARAEIPRIHPVASKLLRLMQKKETNLCLSADVSLARELLQ
LADALGPSICMLKTHVDILNDFTLDMKELITLAKCHEFLIFEDRKFDIGNTVKKQYEGGIFKIASW
ADLVNAHVVPKSGVVKGLQEVGLPLHRGCLLIAEMSSTGSLATGDYTRAAVRMAEEHSEFVVGFI
SGSRVSMKPEFLHLTPGVQLEAGGDNLGQQYNPQEVIGKRGSDIIVGRGIISAADRLEAAEMYRK
AAWEAYLSRLGV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

78.6

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — UMPS

Entrez GeneID[7372](#)**GeneBank Accession#**[NM_000373.1](#)**Protein Accession#**[NP_000364.1](#)**Gene Name**

UMPS

Gene Alias

OPRT

Gene Description

uridine monophosphate synthetase

Omim ID[258900](#)**Gene Ontology**[Hyperlink](#)**Other Designations**OMPdecase|OPRtase|UMP synthase|protate phosphoribosyl transferase and orotidine-5'-decarb
oxylase|protate phosphoribosyltransferase phosphoribosyltransferase|protidine 5'-phosphate dec
arboxylase|uridine monophosphate synthase

Pathway

- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)

- [Pyrimidine metabolism](#)

Disease

- [Adenocarcinoma](#)
- [Carcinoma](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Neutropenia](#)
- [Stomach Neoplasms](#)