

Recombinant Human UMPS protein, His-tagged

Cat. No. UMPS-3595H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UMPS protein(189-480 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	189-480 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	VDAETVGRVKRFIQENVFVAANHNGSPLSIKEAPKELSFSGARAELPRIHPVASKLLRL MQKKETNLCLSADVSLARELLQLADALGPSICMLKTHVDILNDFTLDVMKELITLAKC HEFLIFEDRKFADIGNTVKKQYEGGIFKIASWADLVNAHVVPGSGVVKGLQEVGLPL HRGCLLIAEMSSTGSLATGDYTRAAVRMAEEHSEFVVGFIGSRVSMKPEFLHLTPG VQLEAGGDNLGQQYNPQEVIGKRGSDIIVGRGIISAADRLEAAEMYRKAWEAYL SRLGV
Purity	90%, by SDS-PAGE.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [UMPS uridine monophosphate synthetase \[Homo sapiens \]](#)

Official Symbol [UMPS](#)

Synonyms UMPS; uridine monophosphate synthetase; uridine 5-monophosphate synthase; orotate phosphoribosyl transferase and orotidine 5 decarboxylase; OPRTase; OMPdecase; UMP synthase; orotate phosphoribosyltransferase; orotidine 5-phosphate decarboxylase; OPRT;

mRNA Refseq [NM_000373](#)

Protein Refseq [NP_000364](#)

MIM [613891](#)

UniProt ID [P11172](#)

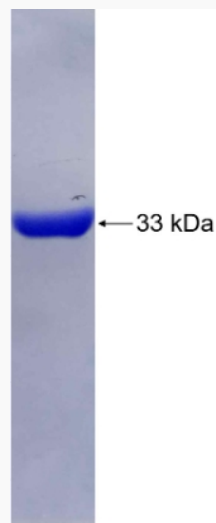
Gene ID [7372](#)

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SDS-PAGE



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