

Recombinant Human UMPS protein, GST-tagged

Cat. No. UMPS-301620H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UMPS (189-480 aa) protein, fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val189-Val480
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization
AA Sequence	VDAETVGRVKRFIQENVFVAANHNGSPLSIKEAPKELSFGARAEIPRIHPVASKLLRL MQKKETNLCLSADVSLARELLQLADALGPSICMLKTHVDILNDFTLDVMKELITLAKC HEFLIFEDRKFDIGNTVKKQYEGGIFKIASWADLVNAHVVPVGGVVKGLQEVGLPL HRGCLLIAEMSSTGSLATGDYTRAAVRMAEEHSEFVVGFISGSRVSMKPEFLHLTPG VQLEAGGDNLGQQYNPQEVIGKRGSDIIVGRGIISAADRLEAAEMYRKAWEAYL SRLGV
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Stability	Store for up to 12 months at -20°C to -80°C as lyophilized powder.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks).

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Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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;
Gene ID	7372
mRNA Refseq	NM_000373
Protein Refseq	NP_000364
MIM	613891
UniProt ID	P11172

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