

## Uridine Monophosphate Synthetase Human Recombinant

<b>Item Number</b>	rAP-1872
<b>Synonyms</b>	OPRT, Uridine 5'-monophosphate synthase, UMP synthase, Orotate phosphoribosyltransferase , OPRT, OPRTase, Orotidine 5'-phosphate decarboxylase , ODC, OMPdecase.
<b>Description</b>	UMPS Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 500 amino acids (1-480 a.a) and having a molecular mass of 54.3kDa.UMPS is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P11172
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MAVARAALGP LVTGLYDVQA FKFGDFVLKS GLSSPIYIDL RGIVSRPRL SQVADILFQT AQNAGISFDT VCGVPYALP LATVICSTNQ IPMLIRRKET KDYGTKRLVE GTINPGETCL IIEDVVTS GS SVLETVEVLQ KEGLKVTDAL VLLDREQGGK DKLQAHGIRL HSVCTLSKML EILEQQKKVD AETVGRVKRF IQENVFVAAN HNGSPLSIKE APKELSFGAR AELPRIHPVA SKLLRLMQKK ETNLCLSADV SLARELLQLA DALGPSICML KTHVDILNDF TLDVMKELIT LAKCHEFLIF EDRKFADIGN TVKKQYEGGI FKIASWADLV NAHVVPGSV VKGLQEVGLP LHRGCLLIAE MSSTGSLATG DYTRAAVR- MA EEHSEFVVGF ISGSRVSMKP EFLHLTPGVQ LEAGGDNLGQ QYNSPQEVIG KRGSDDIIVG RGIISAADRL EAAEMYRCAA WEAYLSRLGV.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The UMPS solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea and 20% glycerol. Greater than 90.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**