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# 32-2919: UPP1 Recombinant Protein

**Alternative Name :** UP,UPASE,UPP,UrdPase 1.

## Description

Source : Escherichia Coli. UPP1 Human Recombinant protein produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 330 amino acids (1-310) and having a molecular mass of 29.3 kDa. UPP1 is fused to a 20 amino acid His Tag at N-terminus and is purified by proprietary chromatographic techniques. UPP1 catalyzes the reversible phosphorylytic cleavage of uridine and deoxyuridine to uracil and ribose- or deoxyribose-1-phosphate which are used as carbon and energy sources or in the release of pyrimidine bases for nucleotide synthesis. UPP1 is part of the family of glycosyltransferases, specifically the pentosyltransferases. Pyrimidine nucleoside phosphorylases add ribose or deoxyribose to pyrimidine bases to form nucleosides that can be incorporated into RNA or DNA.

## Product Info

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| **Amount :** | 10 µg |
| **Purification :** | Greater than 90.0% as determined by SDS-PAGE. |
| **Content :** | UPP1 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.2M NaCl and 40% glycerol. |
| **Storage condition :** | 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. |
| **Amino Acid :** | MGSSHHHHHH SSGLVPRGSH MAATGANAEK AESHNDCPVR LLNPNIAKMK EDILYHFNLT TSRHNFPALF GDVKFVCVGG SPSRMKAFIR CVGAELGLDC PGRDYPNICA GTDRYAMYKV GPVLSVSHGM GIPSISIMLH ELIKLLYYAR CSNVTIIRIG TSGGIGLEPG TVVITEQAVD TCFKAEFEQI VLGKRVIRKT DLNKKLVQEL LLCSAELSEF TTVVGNTMCT LDFYEGQGRL DGALCSYTEK DKQAYLEAAY AAGVRNIEME SSVFAAMCSA CGLQAAVVCV TLLNRLEGDQ ISSPRNVLSE YQQRPQRLVS YFIKKKLSKA. |

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