

UPP1 Human

Description: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 20 amino acid His Tag at N-terminus and is purified by proprietary chromatographic techniques.

Catalog #:ENPS-567

For research use only.

Synonyms:UP, UPASE, UPP, UrdPase 1.

Source:Escherichia Coli.

Physical Appearance:Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MAATGANAEK AESHNDCPVR
LLNPNIAMKM EDILYHFNLTSRHNFPALF GDVKFVCVGG SPSRMKAFIRCVGAELGLDC
PGRDYPNICA GTDRYAMYKV GPVLSVSHGM GIPSISIMLH ELIKLLYYAR CSNVTIIRIG
TSGGIGLEPG TVVITEQAVD TCFKAEFEQI VLGKRVIRKT DLNKKLVQEL LLCSAELSEF
TTVVGNTMCT LDF

Purity:Greater than 90.0% as determined by SDS-PAGE.

Formulation:

UPP1 0.25mg/ml solution contains 20 mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.2M NaCl and 40% glycerol.

Stability:

UPP1 Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:

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Introduction:

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.

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