

# Recombinant Human UPP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** UPP1-4498H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | UPP1 MS Standard C13 and N15-labeled recombinant protein (NP_003355) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene encodes a uridine phosphorylase, an enzyme that catalyzes the reversible phosphorylation of uridine (or 2'- deoxyuridine) to uracil and ribose-1-phosphate (or deoxyribose-1-phosphate). The encoded enzyme functions in the degradation and salvage of pyrimidine ribonucleosides.                                                                          |
| <b>Molecular Mass</b>   | 33.9 kDa                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MAATGANAEKAESHNDPCVRLNPNIAKMKEDILYHFNLTTSRHNFALFGDVKFVC<br>VGGSPSRMKAFIRCVGAELGLDCPGRDYPNICAGTDRYAMYKVGPVLSVSHGMGIP<br>SISIMLHELKLLYYARCSNVTIIRIGTSGGIGLEPGTVVITEQAVDTCFKAEFEQIVLGK<br>RVIRKTDLNKKLVQELLLCSAELSEFTTVVGNTMCTLDFYEGQGRLDGALCSYTEKD<br>KQAYLEAAYAAGVRNIEMESSVFAAMCSACGLQAAVVCVTLLNRLEGDQISSPRNVL<br>SEYQQRQPQLVSYFIKKKLSKATRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                            |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling                                                                                                                                                                                                                                                                                         |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** UPP1 uridine phosphorylase 1 [ Homo sapiens (human) ]

**Official Symbol** UPP1

**Synonyms** UPP1; uridine phosphorylase 1; UP, uridine phosphorylase; UDRPASE; UPASE; UPP; UPase 1; urdPase 1; UP;

**Gene ID** 7378

**mRNA Refseq** NM\_003364

**Protein Refseq** NP\_003355

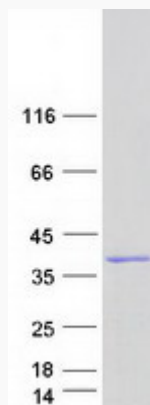
**MIM** 191730

**UniProt ID** Q16831

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**SDS-PAGE**

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