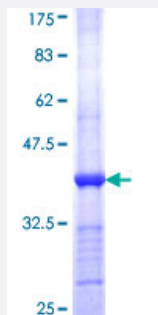


UPP1 (Human) Recombinant Protein (Q01)

Catalog # H00007378-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human UPP1 partial ORF (NP_003355, 1 a.a. - 92 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAATGANAEKAESHNDPCVRLNPNIAKMKEDILYHFNLTTSRHNFALFGDVKFVCVGGSPSRM KAFIRCVGAELGLDCPGRDYPNICAGT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.86
Interspecies Antigen Sequence	Mouse (72); Rat (72)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — UPP1

Entrez GeneID [7378](#)

GeneBank Accession# [NM_003364](#)

Protein Accession# [NP_003355](#)

Gene Name UPP1

Gene Alias UDRPASE, UP, UPASE, UPP

Gene Description uridine phosphorylase 1

Omim ID [191730](#)

Gene Ontology [Hyperlink](#)

Gene Summary The 2 known types of pyrimidine nucleoside phosphorylases, uridine phosphorylase (UP; EC 2.4.2.3) and thymidine phosphorylase (TP; EC 2.4.2.4), in the presence of orthophosphate, catalyze the reversible phosphorolysis of uridine and thymidine or deoxyuridine, respectively, to free bases and ribose-1-phosphate or deoxyribose-1-phosphate. Pyrimidine nucleoside phosphorylases can add ribose or deoxyribose to pyrimidine bases to form nucleosides that can be incorporated into RNA or DNA (Watanabe and Uchida, 1995 [PubMed 7488099]).[supplied by OMIM]

Other Designations OTTHUMP00000159566

Pathway

- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)
- [Pyrimidine metabolism](#)