

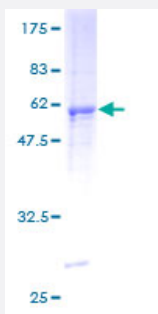
Full-Length

UCK2 (Human) Recombinant Protein (P01)

Catalog # H00007371-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human UCK2 full-length ORF (AAH02906, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAGDSEQLQNHQQPNNGGEPFLIGVSGGTASGKSSVCAKIQLLGQNEVDYRQKQVVILSQDSFYRVLTSQKAKALKGQFNFDHPDAFDNELILKTPKEITEGKTQIPVYDFVSHSRKEETVTVYPADVVLFEGLAFYSQEVRLDFQMKLFVDTDADTRLSRRVLRDISERGRDLEQILSQYITFVKPAFEFC LPTKKYADVIIIPRGADNLVAINLVQHIQDILNGGPSKRQTNGCLNGYTPSRKR*ASESSSRPH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	54.45
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 — UCK2

Entrez GeneID [7371](#)

GeneBank Accession# [BC002906](#)

Protein Accession# [AAH02906](#)

Gene Name UCK2

Gene Alias TSA903, UK, UMPK

Gene Description uridine-cytidine kinase 2

Omim ID [609329](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene catalyzes the phosphorylation of uridine monophosphate to uridine diphosphate. This is the first step in the production of the pyrimidine nucleoside triphosphates required for RNA and DNA synthesis. In addition, an allele of this gene may play a role in mediating nonhumoral immunity to Hemophilus influenzae type B. [provided by RefSeq]

Other Designations OTTHUMP00000038005|uridine kinase|uridine monophosphate kinase

Pathway

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

Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Osteoporosis](#)