Recombinant Full Length Human UCK1 Protein, C-Flag-tagged

Cat. No. UCK1-1146HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human UCK1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a uridine-cytidine kinase that catalyzes the phosphorylation of uridine and cytidine to uridine monophosphate (UMP) and cytidine monophosphate (CMP) but not the phosphorylation of deoxyribonucleosides or purine ribonucleosides. This enzyme can also phosphorylate uridine and cytidine analogs and uses both ATP and GTP as a phosphate donor. Alternative splicing results in multiple splice variants encoding distinct isoforms.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	31.3 kDa
AA Sequence	MASAGGEDCESPAPEADRPHQRPFLIGVSGGTASGKSTVCEKIMELLGQNEVEQR QRKVVILSQDRFYKV LTAEQKAKALKGQYNFDHPDAFDNDLMHRTLKNIVEGKTVE VPTYDFVTHSRLPETTVVYPADVVLFEGI LVFYSQEIRDMFHLRLFVDTDSDVRLSR RVLRDVRRGRDLEQILTQYTTFVKPAFEEFCLPTKKYADVII PRGVDNMVAINLIVQHI QDILNGDICKWHRGGSNGRSYKRTFSEPGDHPGMLTSGKRSHLESSSRPHTRTRP LEQKLISEEDLAANDILDYKDDDDKV

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

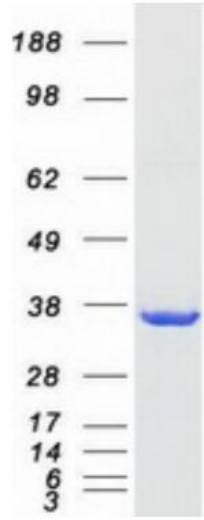
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	UCK1 uridine-cytidine kinase 1 [Homo sapiens (human)]
Official Symbol	UCK1
Synonyms	URK1
Gene ID	83549
mRNA Refseq	NM_031432.5
Protein Refseq	NP_113620.1

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MIM	609328
UniProt ID	Q9HA47



Coomassie blue staining of purified UCK1 protein.

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