

Product datasheet for PH320876

UCK (UCK1) (NM_031432) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UCK1 MS Standard C13 and N15-labeled recombinant protein (NP_113620)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220876
Predicted MW:	31.3 kDa
Protein Sequence:	>RC220876 representing NM_031432 Red=Cloning site Green=Tags(s) MASAGGEDCESPAPEADRP HQRPFLIGVSGGTASGKSTVCEKIMELLGQNEVEQRQRKVVILSQDRFYKV LTAEQKAKALKGQYNFDHPDAFDNDLMHRTLKNI VEGKTVEVPTYDFVTHSRLPETTVVYPADVLFEGI LVFYSQEIRD MFHLRLFVDTSDVRLSRRVLRDVRGRDLEQILTQYTT FVKPAFE EFCLPTK KYADVII PRGVDNMVAINLIVQHIQDILNGDICKWHRGGSNGRSYKRTFSEPGDHPGMLTSGKRSHLESSSRPH TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_113620
RefSeq Size:	2160
RefSeq ORF:	831
Synonyms:	URK1
Locus ID:	83549
UniProt ID:	Q9HA47



[View online »](#)

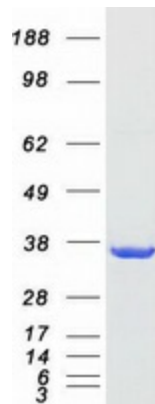
Cytogenetics: 9q34.13

Summary: 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. [provided by RefSeq, May 2012]

Protein Families: Druggable Genome

Protein Pathways: Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism

Product images:



Coomassie blue staining of purified UCK1 protein (Cat# [TP320876]). The protein was produced from HEK293T cells transfected with UCK1 cDNA clone (Cat# [RC220876]) using MegaTran 2.0 (Cat# [TT210002]).