

Product datasheet for **AR51512PU-N**

UCK1 (143-273, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	UCK1 (143-273, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MFYSQEIRD M FHLRLFVDTD SDVRLSRRVL RDVRRGRDLE QILTQYTTFV KPAFEEFCLP TKKYADVIIP RGVNDMVAIN LIVQHIQDIL NGDICKWHRG GSNGRSYKRT FSEPGDHPGM LTSGKRSHLE SS
Tag:	His-tag
Predicted MW:	17.5 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human UCK1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001129426
Locus ID:	83549
UniProt ID:	Q9HA47
Cytogenetics:	9q34.13
Synonyms:	UCK 1, Uridine-cytidine kinase 1, URK1



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Summary:

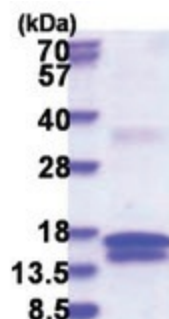
This gene encodes a uridine-cytidine kinase that catalyzes the phosphorylation of uridine and cytidine to uridine monophosphate (UMP) and cytidine monophosphate (CMP) but not the phosphorylation of deoxyribonucleosides or purine ribonucleosides. This enzyme can also phosphorylate uridine and cytidine 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:

15% SDS-PAGE (3ug)