

Recombinant Human UCK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. UCK1-892H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UCK1 MS Standard C13 and N15-labeled recombinant protein (NP_113620) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	31.3 kDa
AA Sequence	MASAGGEDCESPAPEADRP HQRPFLIGVSGGTASGKSTVCEKIMELLGQNEVEQR Q R K V V I L S Q D R F Y K V L T A E Q K A K A L K G Q Y N F D H P D A F D N D L M H R T L K N I V E G K T V E V P T Y D F V T H S R L P E T T V V Y P A D V V L F E G I L V F Y S Q E I R D M F H L R L F V D T D S D V R L S R R V L R D V R R G R D L E Q I L T Q Y T T F V K P A F E E F C L P T K K Y A D V I I P R G V D N M V A I N L I V Q H I Q D I L N G D I C K W H R G G S N G R S Y K R T F S E P G D H P G M L T S G K R S H L E S S R P H T R T R P L E Q K L I S E E D L A A N D I L D Y K D D D D K V
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

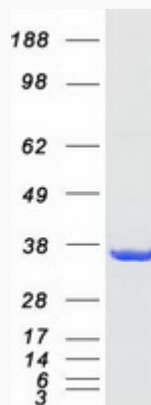
GENE INFORMATION

Gene Name	UCK1 uridine-cytidine kinase 1 [Homo sapiens (human)]
Official Symbol	UCK1
Synonyms	UCK1; uridine-cytidine kinase 1; FLJ12255; URK1; UCK 1; uridine monophosphokinase 1; cytidine monophosphokinase 1; RP11-334J6.5;
Gene ID	83549
mRNA Refseq	NM_031432
Protein Refseq	NP_113620
MIM	609328
UniProt ID	Q9HA47

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SDS-PAGE

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