

UCK1, 143-273aa, Human, His tag, E.coli

Cat.NO.: TP04413

3th Edition

Synonyms:Uridine-cytidine kinase 1 isoform a , FLJ12255, RP11-334J6.5, URK1

Description:UCK1 is 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. Recombinant human UCK1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Molecular Weight:17.5 kDa(152aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMFYSQEIRD MFHLRFVDTSDVRLSRRVLRDVRRGRDLEQILTQYTTTFVKPAFE
EFCLPTKKYADV IIPRGVDNMVAINLIVQHIQDILNGDICKWHRGGSNGRSYKRTFSEPGDHPGMLTSGKRSHLESS

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.