

UCK2, 1-261aa, Human, His tag, E.coli

Cat.NO.: TP04414

3th Edition

Synonyms:Uridine-cytidine kinase 2, TSA903, UK, UMPK

Description:UCK2 also known as uridine-cytidine kinase 2 is belongs to the uridinekinase family. UCK2 catalyzes the phosphorylation of uridine monophosphate to uridine diphosphate and cytidine monophosphate. It plays a role in the production of pyrimidine nucleoside triphosphates required for RNA and DNA synthesis. In addition, an allele of this gene may play a role in mediating nonhumoral immunity to Hemophilus influenzae type B. Recombinant human UCK2 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 2mM DTT, 100mM NaCl, 0.1mM PMSF, 1mM EDTA

Molecular Weight:30.3kDa (269aa), confirmed by MALDI-TOF

Sequences:

MAGDSEQTLQNHQQPNGGEPFLIGVSGGTASGKSSVCAKIVQLLGQNEVDYRQKQVVILSQDSFYRVLTSQKAK
ALKGQFNFDHPDAFDNELILKTLKEITEGKTQIPVYDFVSHSRKEETVTVPADVVLFEGLAFYSQEVRLDFQMKL
FVDTDADTRLSSRVLRDISERGRDLEQILSQYITFVKPAFEFCLPTKKYADVIIIPRGADNLVAINLIVQHIQDILNGGP
SKRQTNGCLNGYTPSRKRQASESSSRPHLEHHHHHH

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.