

## 32-3131: UCK1 Recombinant Protein

**Alternative Name** : Uridine-cytidine kinase 1, UCK1, Cytidine monophosphokinase 1, UCK1 Uridine monophosphokinase 1, URK1, FLJ12255, RP11-334J6.5, Uridine-cytidine kinase 1 isoform a.

### Description

Source : Escherichia Coli. UCK1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 152 amino acids (143-273a.a) and having a molecular mass of 17.5kDa. UCK1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. UCK1 is a uridine-cytidine kinase which catalyzes the phosphorylation of uridine and cytidine to uridine monophosphate and cytidine monophosphate. UCK1 does not phosphorylate deoxyribonucleosides or purine ribonucleosides. UCK1 is also phosphorylates uridine and cytidine analogs and uses ATP and GTP as a phosphate donor.

### Product Info

|                            |  |
|----------------------------|--|
| <b>Amount :</b>            | 25 µg  |
| <b>Purification :</b>      | Greater than 80.0% as determined by SDS-PAGE.  |
| <b>Content :</b>           | UCK1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.  |
| <b>Storage condition :</b> | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| <b>Amino Acid :</b>        | MGSSHHHHHH SSGLVPRGSH MFYSQEIRDM FHLRLFVDTD SDVRLSRRVL RDVRRGRDLE QILTQYTTFFV<br>KPAFEFCLP TKKYADVIP RGVDMVAIN LIVQHIQDIL NGDICKWHRG GSNGRSYKRT FSEPGDHPGM<br>LTSGKRSHLE SS.   |

