
Product Data Sheet

Product Name: UCK1 Human
 Cat. No.: GP22648
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Uridine-cytidine kinase 1; UCK 1; Cytidine monophosphokinase 1; UCK1 Uridine monophosphokinase 1; URK1; FLJ12255; RP11-334J6.5; Uridine-cytidine kinase 1 isoform a.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MFYSQEIRDM FHLRLFVDTD SDVRLSRRVL RDVRRGRDLE QILTQYTTFFV KPAFEFCLP TKKYADV IIP RGVDNMVAIN LIVQHIQDIL NGDICKWHRG GSNGRSYKRT FSEPGDHPGM LTSGKRSHLE SS.		
Formulation	UCK1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.		

Introduction

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.

Stability

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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