
Product Data Sheet

Product Name: UCK2 Human
 Cat. No.: GP22649
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	UK; UCK 2; Uridine-Cytidine Kinase 2; Uridine Monophosphate Kinase; Cytidine Monophosphokinase 2.		
Amino Acid Sequence	MAGDSEQTLQ NHQQPNGGEP FLIGVSGGTA SGKSSVCAKI VQLLGQNEVD YRQKQVVILS QDSFYRVLTS EQKAKALKGQ FNFDHPDAFD NELILKTLKE ITEGKTVQIP VYDFVSHSRK EETVTVYPAD VVLFEGILAF YSQEVRDLFQ MKLFVDTDAD TRLSRRVLRD ISERGRDLEQ ILSQYITFVK PAFEFCLPT KKYADVIIIPR GADNLVAINL IVQHIQDILN GGPSKRQTNG CLNGYTPSRK RQASESSSRP HLEHHHHHHH		
Formulation	The UCK2 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 2mM DTT, 100mM NaCl, 0.1mM PMSF, 1mM EDTA and 20% glycerol .		

Introduction

UCK2 is a member of the uridinekinase family. UCK2 catalyzes the phosphorylation of uridine monophosphate to uridine diphosphate and cytidine monophosphate. UCK2 has a part in the production of pyrimidine nucleoside triphosphates essential for RNA and DNA synthesis. Furthermore, an allele of this gene is an important player in mediating nonhumoral immunity to Hemophilus influenzae type B.

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. Please avoid freeze thaw cycles.

Background

UCK2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 269

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

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amino acids (1-261a.a.) and having a molecular mass of 30.3kDa.UCK2 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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