Uridine Kinase (udk) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Uridine kinase (udk), Recombinant Protein
Full Product Name	Recombinant Escherichia coli Uridine kinase (udk)
Product Gene Name	udk recombinant protein
Sequence	MTDQSHQCVI IGIAGASASG KSLIASTLYR ELREQVGDEH IGVIPEDCYY KDQSHLSMEE RVKTNYDHPS AMDHSLLLEH LQALKRGSAI DLPVYSYVEH TRMKETVTVE PKKVIILEGI LLLTDARLRD ELNFSIFVDT PLDICLMRRI KRDVNERGRS MDSVMAQYQK TVRPMFLQFI EPSKQYADII VPRGGKNRIA IDILKAKISQ FFE
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	24,353 Da
Sequence Positions	1-213, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P0A8F4
Species	Escherichia coli (strain K12)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for udk recombinant protein	MBS1247684 is a recombinant protein targeting udk. Also known as Recombinant Escherichia coli Uridine kinase (udk). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of udk recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for udk. It may not necessarily be applicable to this product.

NCBI GI #	90111379
NCBI GeneID	946597
NCBI Accession #	NP_416570.2
UniProt Primary Accession #	P0A8F4
UniProt Secondary Accession #	P31218; P78085; Q8X7L3
GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	uridine/cytidine kinase

NCBI Official Symbol	udk
NCBI Official Synonym Symbols	ECK2060; JW2051
UniProt Protein Name	Uridine kinase
UniProt Synonym Protein Names	Cytidine monophosphokinase; Uridine monophosphokinase
Protein Family	Uridine kinase
UniProt Gene Name	udk
NCBI Protein Information	uridine/cytidine kinase
Research Articles on udk	**1.** It seems that overexpression of udk reduces Gp2 stability and functionality during T7 infection, which consequently results in inadequate inhibition of host RNAp and in the accumulation of early T7 transcripts.
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