

Recombinant Mouse Uck1 Protein, His&GST-tagged

Cat. No. Uck1-530M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Uck1 Protein (Lys42-His277) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Lys42-His277
Description	Enables uridine kinase activity. Involved in UMP salvage. Predicted to be active in cytosol. Is expressed in nervous system; respiratory system; and urinary system. Orthologous to human UCK1 (uridine-cytidine kinase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 57.2 kDa Accurate Molecular Mass: 57 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

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	less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Uck1 uridine-cytidine kinase 1 [Mus musculus (house mouse)]
Official Symbol	Uck1
Synonyms	UCK1; uridine-cytidine kinase 1; UCK 1; uridine monophosphokinase 1; cytidine monophosphokinase 1; uridine monophosphate kinase; URK1; Umpk
Gene ID	22245
mRNA Refseq	NM_011675
Protein Refseq	NP_035805
UniProt ID	P52623

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