

Recombinant Mouse Uck1 Protein, Myc/DDK-tagged

Cat. No. Uck1-6822M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length uridine-cytidine kinase 1 (Uck1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Phosphorylates uridine and cytidine to uridine monophosphate and cytidine monophosphate. Does not phosphorylate deoxyribonucleosides or purine ribonucleosides. Can use ATP or GTP as a phosphate donor. Can also phosphorylate cytidine and uridine nucleoside analogs such as 6-azauridine, 5-fluorouridine, 4-thiouridine, 5-bromouridine, N4-acetylcytidine, N4-benzoylcytidine, 5-fluorocytidine, 2-thiocytidine, 5-methylcytidine, and N4-anisoylcytidine.
Molecular Mass	31.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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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