

Recombinant Mouse Pus1 Protein, His-tagged

Cat. No. Pus1-2007M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pus1 Protein (Met1-Asp423) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Asp423
Description	Enables chromatin binding activity; nuclear receptor coactivator activity; and tRNA pseudouridine synthase activity. Acts upstream of or within positive regulation of transcription by RNA polymerase II and tRNA pseudouridine synthesis. Located in nucleolus. Part of transcription regulator complex. Used to study myopathy, lactic acidosis, and sideroblastic anemia. Human ortholog(s) of this gene implicated in myopathy, lactic acidosis, and sideroblastic anemia 1. Orthologous to human PUS1 (pseudouridine synthase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 51.2 kDa Accurate Molecular Mass: 53 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 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, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Pus1 pseudouridine synthase 1 [Mus musculus (house mouse)]
Official Symbol	Pus1
Synonyms	PUS1; pseudouridine synthase 1; tRNA pseudouridine synthase A, mitochondrial; tRNA-uridine isomerase I; tRNA pseudouridylate synthase I; tRNA pseudouridine(38-40) synthase; MPUS1; mPus1p; A730013B20Rik;
Gene ID	56361
mRNA Refseq	NM_001025561
Protein Refseq	NP_001020732
UniProt ID	Q9WU56

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