

Recombinant Human NT5M 293 Cell Lysate

Cat. No. NT5M-3673HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for 5,3-nucleotidase, mitochondrial (NT5M), nuclear gene encoding mitochondrial protein is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

NT5M 5,3-nucleotidase, mitochondrial [Homo sapiens]

Official Symbol

NT5M

Synonyms

NT5M; 5,3-nucleotidase, mitochondrial; 5 nucleotidase, mitochondrial; 5(3)-deoxyribonucleotidase, mitochondrial; dNT 2; dNT2; mdN; deoxy-5-nucleotidase 2; 5(3)-deoxyribonucleotidase; mitochondrial 5 nucleotidase; dNT-2;

Gene ID

56953

mRNA Refseq

NM_020201

Protein Refseq

NP_064586

MIM

605292

UniProt ID

Q9NPB1

**Chromosome
Location**

17p11.2

Pathway

Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Nicotinate and nicotinamide metabolism, organism-specific biosystem; Nicotinate and nicotinamide metabolism, conserved biosystem; Purine metabolism, organism-specific biosystem;

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Purine metabolism, conserved biosystem;

Function

5-nucleotidase activity; 5-nucleotidase activity; hydrolase activity; metal ion binding; nucleotidase activity; nucleotide binding; phosphatase activity;

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