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Datasheet for ABIN5608451  
**NME1 Protein (partial) (His tag)**

### Overview

Quantity:	100 µg
Target:	NME1
Protein Characteristics:	partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NME1 protein is labelled with His tag.
Application:	Western Blotting (WB)

### Product Details

Sequence:	Ala 2 - Glu 152
Purity:	>98 % as determined by SDS-PAGE.
Endotoxin Level:	Endotoxin level is less than 1.0 EU per ug by the LAL method.

### Target Details

Target:	NME1
Alternative Name:	NME1 ( <a href="#">NME1 Products</a> )
Background:	Nucleoside diphosphate kinase A, a member of the NDK family, is also known as NME1, NDP kinase A (NDPA), granzyme A-activated DNase (GAAD), metastasis inhibition factor nm23 (NM23-H1) and tumor metastatic process-associated protein. NME1 plays a major role in the synthesis of nucleoside triphosphates other than ATP. NME1 is also involved in cell

## Target Details

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proliferation, differentiation and development, signal transduction, G protein-coupled receptor endocytosis, and gene expression. Furthermore, NME1 is required for neural development including neural patterning and cell fate determination. During GZMA-mediated cell death, NME1 works in concert with TREX1. NME1 nicks one strand of DNA and TREX1 removes bases from the free 3' end to enhance DNA damage and prevent DNA end reannealing and rapid repair.

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Molecular Weight: 18 kDa

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Gene ID: 4830

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Pathways: [Apoptosis](#), [Nucleotide Phosphorylation](#), [Carbohydrate Homeostasis](#), [Ribonucleoside Biosynthetic Process](#)

## Application Details

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Application Notes: This recombinant protein can be used for WB.

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Buffer: PBS, pH 7.4

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -20 °C, -80 °C

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Storage Comment: Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.