

Datasheet for ABIN2870673
NME1 Protein (AA 2-152) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	NME1
Protein Characteristics:	AA 2-152
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NME1 protein is labelled with His tag.

Product Details

Sequence:	AA 2-152
Characteristics:	This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 18 kDa. The protein migrates as 21 kDa under reducing (R) condition (SDS-PAGE).
Purity:	>98 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	NME1
Alternative Name:	NME1 (NME1 Products)
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

Target Details

synthesis of nucleoside triphosphates other than ATP. NME1 is also involved in cell 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.

Molecular Weight:	18.0 kDa
Pathways:	Apoptosis , Nucleotide Phosphorylation , Carbohydrate Homeostasis , Ribonucleoside Biosynthetic Process

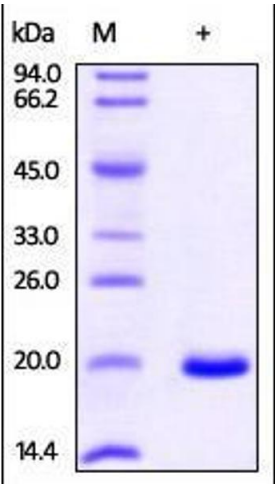
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Images



SDS-PAGE

Image 1. Human NME1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 98%.