

Datasheet for ABIN935048
NME1 Protein (AA 1-152)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	NME1
Protein Characteristics:	AA 1-152
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MANCERTFIA IKPDGVQRGL VGEIIKRFEQ KGFRLVGLKF MQASEDLLKE HYVDLKDRPF FAGLVKYMHS GPVVAMVWEG LNVVKTGRVM LGETNPADSK PGTIRGDFCI QVGRNIIHGS DSVESAEKEI GLWFHPEELV DYTSCAQNWI YE
Characteristics:	Purified recombinant Human NME1 protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 95 % pure
Endotoxin Level:	< 1.0 EU per µg of protein (determined by LAL method)

Target Details

Target:	NME1
Alternative Name:	NME1 (NME1 Products)

Target Details

Background: Non-metastatic cells 1 (NME1), also known as NM23-H1, originally identified as a candidate metastasis suppressor gene. NME1 is expressed in different tumor types where their levels have been alternatively associated with reduced or increased metastatic potential. Reductions in NME1 expression have been significantly associated with aggressive behavior in melanoma, breast, colon, and gastric carcinomas. On the contrary, high levels of NME1 gene expression are noted in the advanced stage of thyroid carcinomas. Recombinant human NME1 was expressed in *E. coli* and purified by using conventional chromatography techniques.

Alternative Names: NM23-H1 protein, NDP Kinase A protein, NME-1 protein, NM23H1B protein, NM23 long variant protein, Nonmetastatic protein 23 protein, protein expressed in protein, Granzyme A activated DNase protein, GZMA activated DNase protein, AWD protein, Nucleoside diphosphate kinase A protein, NDK A protein, NME-1, Nonmetastatic cells 1 protein, Non-metastatic cells 1 AWD protein, GAAD protein, included protein, Tumor metastatic process-associated protein., NDP kinase A protein, included protein, drosophila protein, included protein, NB protein, Nonmetastatic protein 23 protein, NME1-NME2 spliced read-through transcript protein, NME 1 protein, NM23 protein, NDPK-A protein, Metastasis inhibition factor nm23 protein, NBS protein, NM23-M1 protein, protein (NM23A) expressed in protein, NM23 protein, homolog of protein, homolog 1 protein, NME 1, NDPKA protein, NME1, Nucleoside diphosphate kinase A protein, NME1 protein, Non-metastatic cells 1 protein

Molecular Weight: 17.1 kDa (152 AA)

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

Application Details

Application Notes: NME1 protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

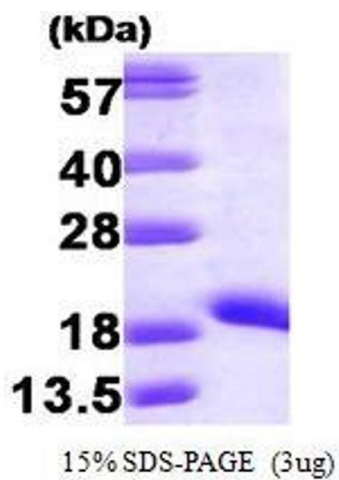
Buffer: Supplied as a liquid in 20 mM Tris-HCl buffer, pH 7.5, containing 0 mM DTT, and 10 % glycerol.

Preservative: Dithiothreitol (DTT)

Handling

Precaution of Use:	This product contains Dithiothreitol: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C
Storage Comment:	Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.

Images



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.