

Recombinant human NM23-H1/NME1 protein

Catalog Number: ATGP0361

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-152aa

UniProt No.

P15531

NCBI Accession No.

NP_000260

Alternative Names

NME/NM23 nucleoside diphosphate kinase 1, Nucleoside diphosphate kinase A, Granzyme A-activated Dnase, GAAD, Metastasis inhibition factor nm23, NM23-H1, Tumor metastatic process-associated protein, NDK A, NDP kinase A, NDPKA, NM23

PRODUCT SPECIFICATION

Molecular Weight

17.1 kDa (152aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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

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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.

Amino acid Sequence

MANCERTFIA IKPDGVQRGL VGEIIKRFEQ KGFRLVGLKF MQASEDLLKE HYVDLKDRPF FAGLVKYMHS GPVVAMVWEG LNVVKTGRVM LGETNPADSK PGTIRGDFCI QVGRNIIHGS DSVESAEKEI GLWFHPEELV DYTSCAQNWI YE

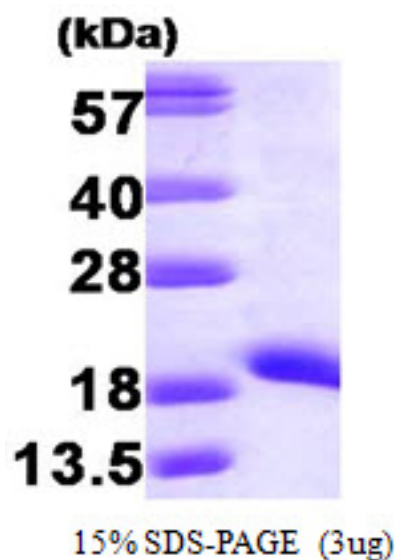
General References

Tee YT., et al. (2006) *Taiwan J Obstet Gynecol.* 45(2):107-13.

Negróni A., et al. (2000) *Cell Death Differ.* 7(9):843-50.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.