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NME1 Protein (AA 1-152)





Overview

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

Sequence:	MANCERTFIA IKPDGVQRGL VGEIIKRFEQ KGFRLVGLKF MQASEDLLKE HYVDLKDRPF FAGLVKYMHS GPVVAMVWEG LNVVKTGRVM LGETNPADSK PGTIRGDFCI QVGRNIIHGS
	DSVESAEKEI GLWFHPEELV DYTSCAQNWI YE
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 1,200 units/mg, and is defined as the amount of enzyme that convert 1.0 umole each of ATP and TDP to ADP and TTP per minute at pH 7.5 at 25C in a couple system with PK/LDH.

Target Details

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Target Details

Alternative Name:	NME1 (NME1 Products)
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.
Molecular Weight:	17.1 kDa (152aa), confirmed by MALDI-TOF
NCBI Accession:	NP_000260
UniProt:	P15531
Pathways:	Apoptosis, Nucleotide Phosphorylation, Carbohydrate Homeostasis, Ribonucleoside Biosynthetic Process

Application Details

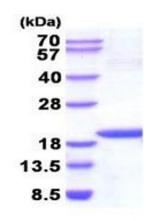
Liquid

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only
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Handling

Format:

Concentration:	1 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT, 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.