

## Non-Metastatic Cells 1 Recombinant Protein | NME1 recombinant protein

Recombinant Human Non-Metastatic Cells 1

|                              |                       |
|------------------------------|-----------------------|
| CATALOG #<br><b>AAA38669</b> | HOST<br><b>E Coli</b> |
|------------------------------|-----------------------|

### PRODUCT SYNONYMS

Non-Metastatic Cells 1; Recombinant Human Non-Metastatic Cells 1; NME1 Human; Non-Metastatic Cells 1 Human Recombinant; Nucleoside diphosphate kinase A; NDP kinase A; NDK A; Tumor metastatic process-associated protein; Metastasis inhibition factor nm23; nm23-H1; Granzyme A-activated DNase; GAAD; NME1; NDPKA; NM23; NB; AWD; NBS; NDPK-A; NME1 recombinant protein

### PRODUCT SPECIFICATIONS

|                     |                                                                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                | E Coli                                                                                                                                                                        |
| Purity/Purification | Greater than 95.0% as determined by SDS-PAGE.                                                                                                                                 |
| Form/Format         | The NME1 solution contains 20mM Tris-HCl buffer (pH7.5), 1mM DTT and 10% glycerol.<br>Sterile Filtered colorless solution.                                                    |
| Concentration       | 20ug/20ul (varies by lot)                                                                                                                                                     |
| Sequence            | MANCERTFIA IKPDGVQRGL VGEIIKRFEQ KGFRVLGLKF MQASEDLLKE HYVDLKDRPF FAGLVKYMHS<br>GPVVAMVWEG LNVVKTGRVM LGETNPADSK PGTIRGDFCI QVGRNIIHGS DSVESAEKEI GLWFHPEELV<br>DYTSCAQNWY YE |
| Sequence Length     | 152                                                                                                                                                                           |

### ADDITIONAL INFORMATION

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| Related Product Information for NME1 recombinant protein | <p><b>Description:</b> NME1 Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 152 amino acids (1-152 a.a.) and having a molecular mass of 17.1kDa. The NME1 is purified by proprietary chromatographic techniques.</p> <p><b>Introduction:</b> NDK (Nucleoside diphosphate kinase) exists as a hexamer composed of 'A' (encoded by NME1) and 'B' (encoded by NME2) isoforms. NME1 is involved in cell proliferation, differentiation and development, signal transduction, G protein-coupled receptor endocytosis, and gene expression. It also has tumor metastasis-suppressive capacity. NME1 has a key role in the synthesis of nucleoside triphosphates other than ATP. NME1 is essential for neural development including neural patterning and cell future determination. The NME1 gene is expressed in various tumor types where its levels have been alternatively linked to reduced or increased metastatic potential. Decrease in NME1 expression is notably connected to aggressive behavior in melanoma, breast, colon, and gastric carcinomas. In contrast, elevated levels of NME1 gene expression are noted in the advanced stage of thyroid carcinomas. Somatic mutations of the NME1 gene are found in neuroblastoma. Increased NME1 in neuroblastoma is linked to features of the disease that are associated with aggressive tumors.</p> |
| Product Categories/Family for NME1 recombinant protein   | <a href="#">Recombinant &amp; Natural Proteins</a> ; <a href="#">Recombinant Proteins</a> ; <a href="#">Non-Metastatic Cells</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### NCBI AND UNIPROT INFORMATION

|                           |                             |
|---------------------------|-----------------------------|
| NCBI GI #                 | <a href="#">4557797</a>     |
| NCBI GeneID               | <a href="#">4830</a>        |
| NCBI Accession #          | <a href="#">NP_000260.1</a> |
| NCBI GenBank Nucleotide # | <a href="#">NM_000269.2</a> |

|                                  |                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt Accession #              | <a href="#">P15531</a> ; <a href="#">Q6FGK3</a> ; <a href="#">Q86XQ2</a> ; <a href="#">Q9UDJ6</a>                                                                                                               |
| Molecular Weight                 | 30,137 Da                                                                                                                                                                                                       |
| NCBI Official Full Name          | nucleoside diphosphate kinase A isoform b                                                                                                                                                                       |
| NCBI Official Synonym Full Names | NME/NM23 nucleoside diphosphate kinase 1                                                                                                                                                                        |
| NCBI Official Symbol             | NME1                                                                                                                                                                                                            |
| NCBI Official Synonym Symbols    | NB; AWD; NBS; GAAD; NDKA; NM23; NDPKA; NDPK-A; NM23-H1                                                                                                                                                          |
| NCBI Protein Information         | nucleoside diphosphate kinase A; NDP kinase A; granzyme A-activated DNase; metastasis inhibition factor nm23; non-metastatic cells 1, protein (NM23A) expressed in; tumor metastatic process-associated protein |
| UniProt Protein Name             | Nucleoside diphosphate kinase A                                                                                                                                                                                 |
| UniProt Gene Name                | <b>NME1</b>                                                                                                                                                                                                     |
| UniProt Synonym Gene Names       | NDPKA; NM23; NDK A; NDP kinase A; GAAD                                                                                                                                                                          |
| UniProt Entry Name               | NDKA_HUMAN                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/nme1-recombinant-protein-e-coli/38669>