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## Product Data Sheet

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Product Name: NME1 Human, Active

Cat. No.: GP26316

Batch No.: 1

**Product Data**

Purity &gt;98%

Source E.coli.

Physical  
Appearance solidShipping  
Condition withIcePacks

Synonyms Non-metastatic cells 1, Nucleoside diphosphate kinase A, NDP kinase A, AWD, GAAD, NB, NBS, NDPK-A, NM23, NM23-H1.

Amino Acid  
Sequence MANCERTFIA IKPDGVQRGL VGEIIKRFEQ KGFRLVGLKF MQASEDLLKE  
HYVDLKDRPF FAGLVKYMHS GPVVAMVWEG LNVVKTGRVM LGETNPADSK  
PGTIRGDFCI QVGRNIIHGS DSVESAEKEI GLWFHPEELV DYTSCAQNWI YEFormulation The NME1 solution (1mg/ml) contains 10% glycerol, 20mM Tris-HCl  
buffer (pH 7.5) and 1mM DTT.**Introduction**

Non-metastatic cells 1 or NME1 is a protein, found at first as a suppressor gene for candidate metastasis. The protein can be found in various types of tumor, potential of metastatic may increase or decrease as the protein's levels changes. When the protein's concentration is low, an aggressive carcinoma (colon, breast, gastric and melanoma) appears. High levels of NME1 have been linked to advanced thyroid cancer.

**Biological Activity**

Specific activity is > 1,200unit/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.

**Stability**

Store at 46yC if entire vial will be used within 2-4 weeks. Store, frozen at -206yC for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

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