
Product Data Sheet

Product Name: NME2 Human, Active

Cat. No.: GP26317

Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Nucleoside diphosphate kinase B, NDPK-B, NDPKB, NM23-H2, NM23B.		
Amino Acid Sequence	MANLERTFIA IKPDGVQRGL VGEIIKRFEQ KGFRLVAMKF LRASEEHLKQ HYIDLKDRPF FPGLVKYMNS GPVVAMVWEG LNVVKTGRVM LGETNPADSK PGTIRGDFCI QVGRNIIHGS DSVKSAEKEI SLWFKPEELV DYKSCAHDWV YE		
Formulation	The NME2 solution (1mg/ml) contains 10% glycerol, 20mM Tris-HCl buffer (pH 8.0) and 1mM DTT.		

Introduction

Non-Metastatic Cells 2 or NME2, is a protein, that acts as a nucleoside diphosphate kinase. This protein is of a heterodimeric structure and has 152 aa A & B polypeptide chains that builds the whole protein. Erythrocyte NDP kinase beta subunit has an identical structure to NME2. NDP kinases linked to nucleoside triphosphates synthesis and it appears as though NME2 takes part in regulating signal transduction.

Biological Activity

Specific activity is > 1,800unit/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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NME2 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 17.2kDa.

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