
Product Data Sheet

Product Name: NME3 Human, Active

Cat. No.: GP26318

Batch No.: 1

Product Data

Purity >98%

Source E.coli.

Physical Appearance solid

Shipping Condition withIcePacks

Synonyms Nucleoside diphosphate kinase 3, c371H6.2, DR-nm23, KIAA0516, NDPK-C, NDPKC, NM23-H3, NM23H3.

Amino Acid Sequence MGSSHHHHHH SGLVPRGSH MERTFLAVKP DGVQRRLVGE IVRRFERKGF
KLVALKLVQA SEELLREHYA ELRERPFYGR LVKYMASGPV VAMVWQGLDV
VRTSRALIGA TNPADAPPGT IRGDFCIEVG KNLIHGSDSV ESARREIALW
FRADELLCWE DSAGHWLYE

Formulation The NME3 solution (0.5mg/ml) contains 50% glycerol, 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 2mM DTT.

Introduction

Non-Metastatic Cells 3 or NME3 is a possible suppressor of metastasis. NME3 can be found at a lower levels in greatly metastatic cells when compared to cells that has less metastatic potential NME3 is crucial for the nucleoside triphosphates synthesis, also, in apoptosis induction & hematopoiesis. NME3 is can be expressed during early stages of myeloid differentiation of greatly purified CD34+ cells.

Biological Activity

Specific activity is > 150unit/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.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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

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Background

NME3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 169 amino acids (22-169 a.a.) and having a molecular mass of 19.1kDa. NME3 is fused to a 21 amino acid His tag at N-Terminus and purified by proprietary chromatographic techniques.

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