

32-13340: NME3 Human, Active

Application : Functional Assay
Alternative Name : Nucleoside diphosphate kinase 3, c371H6.2, DR-nm23, KIAA0516, NDPK-C, NDPKC, NM23-H3, NM23H3.

Description

Source: E.coli.

Sterile Filtered colorless solution.

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.

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.

Product Info

Amount : 2 µg / 10 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : The NME3 solution (0.5mg/ml) contains 50% glycerol, 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 2mM DTT.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C 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.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MERTFLAVKP DGVQRRLVGE IVRRFERKGF KLVALKLVQA SEELLREHYA ELRERPFYGR LVKYMASGPV VAMVWQGLDV VRTSRALIGA TNPADAPPGT IRGDFCIEVG KNLIHGSDSV ESARREIALW FRADELLCWE DSAGHWLYE

Application Note

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.