NME3, human recombinant

CATALOG #: 7825-100 100 µg

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

SOURCE: E. Coli

PURITY: > 95% by SDS - PAGE

MOL. WEIGHT: 19.1 kDa (169 aa, 22-169 aa + His Tag)

FORM: Liquid

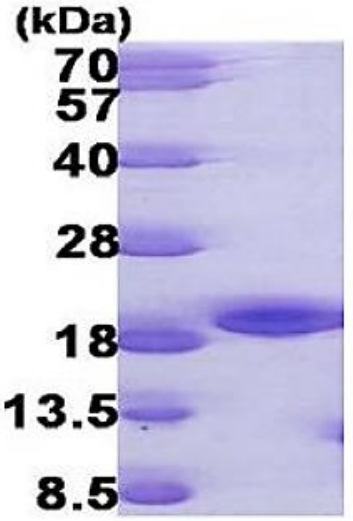
FORMULATION: 0.5 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 0.1 M NaCl and 2 mM DTT

STORAGE CONDITIONS: Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION: NME3, also known as, a potential suppressor of metastasis, is expressed at a much lower level in highly metastatic cells than in cells with lower metastatic potential. It is important for the synthesis of nucleoside triphosphates and may play a role in apoptosis induction and hematopoiesis. It is preferentially expressed during early stages of myeloid differentiation of highly purified CD34+ cells. Recombinant human NME3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AMINO ACID SEQUENCE: MGSSHHHHHH SSGLVPRGSH MERTFLAVKP DGVQRRLVGE IVRRFERKGF KLVALKLVQA SEELLREHYA ELRERPFYGR LVKYMASGPV VAMVWQGLDV VRTSRALIGA TNPADAPPGT IRGDFCIEVG KNLIHGSDSV ESARREIALW FRADELLCWE DSAGHWLYE

BIOLOGICAL ACTIVITY: Specific activity is > 20 units/ml, in which one unit will convert 1.0 µmole each of TDP and ATP to TTP and ADP per minute at pH 7.6 at 25ºC in a coupled system with PK/LDH.



15% SDS-PAGE (3ug)

Human Recombinant NME3

RELATED PRODUCTS:

- NME1, human recombinant **(Cat. No. 7823-100)**
- NME2, human recombinant **(Cat. No. 7824-100)**
- NME4, human recombinant **(Cat. No. 7826-100)**

FOR RESEARCH USE ONLY! Not to be used in humans.