Recombinant human NME3 protein

Catalog Number: ATGP0889

PRODUCT INFORMATION

Expression system
E.coli

Domain
22-169aa

UniProt No.
Q13232

NCBI Accession No.
NP_002504

Alternative Names
Nucleoside diphosphate kinase 3, c371H6.2, DR-nm23, KIAA0516, NDPK-C, NDPKC, NM23-H3, NM23H3, Non-Metastatic Cells 3

PRODUCT SPECIFICATION

Molecular Weight
19.1 kDa (169aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 50% glycerol 0.1M NaCl, 2mM DTT

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

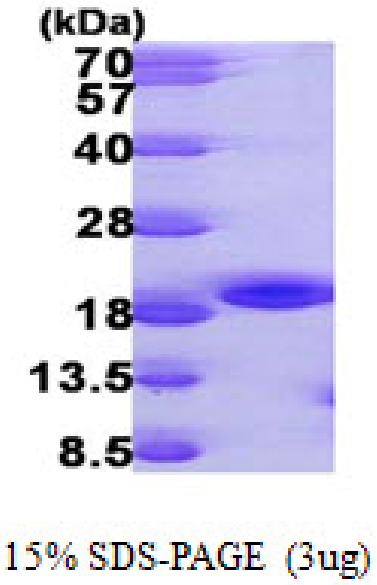
<MGSSHHHHHH SSGLVPRGSH M>ERTFLAVKP DGVQRRLVGE IVRRFERKGF KLVALKLVQA SEELLREHYA ELRERPFYGR LVKYMASGPV VAMVWQGLDV VRTSRALIGA TNPADAPPGT IRGDFCIEVG KNLIHGSDSV ESARREIALW FRADELLCWE DSAGHWLYE

General References

Martinez R, et al. (1997). Cancer Res. 57: 1180-1187.
Masse K., et al. (2002). Gene., 296: 87-97

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.