

NME3 active protein

NME3, 22-169aa, Human, His tag, E Coli (Bioactivity Validated)

CATALOG # AAA48925	HOST E Coli	APPLICATIONS SDS-Page
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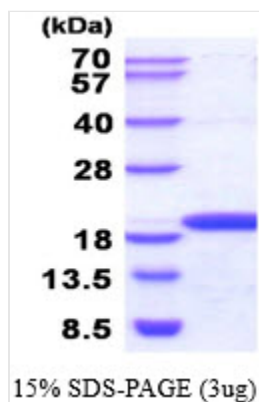
PRODUCT SYNONYMS

NME3; 22-169aa; Human; His tag; E Coli (Bioactivity Validated); Nucleoside diphosphate kinase 3; c371H6.2; DR-nm23; KIAA0516; NDPK-C; NDPKC; NM23-H3; NM23H3; NME3 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 50% glycerol, 0.1M NaCl, 2mM DTT
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MERTFLAVKP DGVQRRLVGE IVRRFERKGF KLVALKLVA SEELLREHYA ELRERPFYGR LVKYMASGPV VAMVWQGLDV VRTSRALIGA TNPADAPPGT IRGDFCIEVG KNLIHGSDSV ESARREIALW FRADELLCWE DSAGHWLYE
Sequence Length	169
Applicable Applications for NME3 active protein	Enzyme Activity, SDS-PAGE
Domain	22-169aa
Tag Information	His-tag
Biological Activity	Specific activity is > 150 units/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.
Preparation and Storage	Can be stored at 2-8 degree C short term For long term storage, aliquot and store at -20 degree C or -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NME3 active protein	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.
Product Categories/Family for NME3 active protein	Metabolism; Signal Transduction
References	Martinez R, et al. (1997). Cancer Res. 57: 1180-1187.; Masse K., et al. (2002). Gene., 296: 87-97

NCBI AND UNIPROT INFORMATION

NCBI GI #	37693993
NCBI GeneID	4832
NCBI Accession #	NP_002504
NCBI GenBank Nucleotide #	NM_002513.2
UniProt Accession #	Q13232; Q9BWH4
Molecular Weight	19.1 kDa (169aa), confirmed by MALDI-TOF
NCBI Official Full Name	nucleoside diphosphate kinase 3
NCBI Official Synonym Full Names	NME/NM23 nucleoside diphosphate kinase 3
NCBI Official Symbol	NME3
NCBI Official Synonym Symbols	NDPKC; NDPK-C; NM23H3; DR-nm23; NM23-H3; c371H6.2
NCBI Protein Information	nucleoside diphosphate kinase 3
UniProt Protein Name	Nucleoside diphosphate kinase 3
UniProt Gene Name	NME3
UniProt Synonym Gene Names	NDK 3; NDP kinase 3; NDPKC

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/e-coli-active-protein/nme3/48925>