

## Product datasheet for **AR52015PU-S**

### NME3 (22-169, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	NME3 (22-169, His-tag) human protein, 20 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MERTFLAVKP DGVQRRLVGE IVRRFERKGF KLVALKLQVA SEELLREHYA ELRERPFYGR LVKYMASGPV VAMVWQGLDV VRTSRALIGA TNPADAPPGT IRGDFCIEVG KNLIHGSDSV ESARREIALW FRADELLCWE DSAGHWLYE
Tag:	His-tag
Predicted MW:	19.1 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 0.1M NaCl, 2 mM DTT
Bioactivity:	Specific: 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:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_002504</a>
Locus ID:	4832
UniProt ID:	<a href="#">Q13232</a>
Cytogenetics:	16p13.3
Synonyms:	c371H6.2; DR-nm23; NDPK-C; NDPKC; NM23-H3; NM23H3



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**Summary:**

Major role in the synthesis of nucleoside triphosphates other than ATP. The ATP gamma phosphate is transferred to the NDP beta phosphate via a ping-pong mechanism, using a phosphorylated active-site intermediate. Probably has a role in normal hematopoiesis by inhibition of granulocyte differentiation and induction of apoptosis.[UniProtKB/Swiss-Prot Function]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Metabolic pathways, Purine metabolism, Pyrimidine metabolism

**Product images:**