

## Product datasheet for **AR52009PU-N**

### **NME4 (33-187, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	NME4 (33-187, His-tag) human protein, 50 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MPSWTRRTL VAVKPDGVQR RLVGDVIQRF ERRGFTLVGM KMLQAPESVL AEHYQDLRRK PFYPALIRYM SSGPVVAMVW EGYNVVRASR AMIGHTDSAE AAPGTIRGDF SVHISRNVIH ASDSVEGAQR EIQLWFQSSSE LVSADGGQH SSIHPA
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	19.6 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.2M NaCl
<b>Bioactivity:</b>	Specific: Specific activity is > 120 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.
<b>Preparation:</b>	Liquid purified protein
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001273362</a>
<b>Locus ID:</b>	4833
<b>UniProt ID:</b>	<a href="#">O00746</a> , <a href="#">A0A087WVT9</a>
<b>Cytogenetics:</b>	16p13.3
<b>Synonyms:</b>	NDPK-D; nm23-H4; NM23H4



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**Summary:** The nucleoside diphosphate (NDP) kinases (EC 2.7.4.6) are ubiquitous enzymes that catalyze transfer of gamma-phosphates, via a phosphohistidine intermediate, between nucleoside and dioxynucleoside tri- and diphosphates. The enzymes are products of the nm23 gene family, which includes NME4 (Milon et al., 1997 [PubMed 9099850]).[supplied by OMIM, May 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Purine metabolism, Pyrimidine metabolism

**Product images:**

