

Product datasheet for **AR09242PU-L**

NDP kinase A (1-152) Human Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | NDP kinase A (1-152) human recombinant protein, 0.5 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MANCERTFIA IKPDGVQRGL VGEIIKRFEQ KGFRVLGLKF MQASEDLLKE HYVDLKDRPF FAGLVKYMHS GPVAMVWEG LNVVKTGRVM LGETNPADSK PGTIRGDFCI QVGRNIIHGS DSVESAEKEI GLWFHPEELV DYTSCAQNWI YE |
| Predicted MW: | 17.1 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 7.5) containing 1 mM DTT, 10% glycerol |
| Endotoxin: | < 1.0 EU per 1 µg of protein (determined by LAL method) |
| Preparation: | Liquid purified protein |
| Protein Description: | Recombinant human NME1 was expressed in E.coli and purified by using conventional chromatography techniques. |
| Storage: | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | NP_000260 |
| Locus ID: | 4830 |
| UniProt ID: | P15531 , A0A384MTW7 |
| Cytogenetics: | 17q21.33 |
| Synonyms: | AWD; GAAD; NB; NBS; NDKA; NDPK-A; NDPKA; NM23; NM23-H1 |



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Summary:

This gene (NME1) was identified because of its reduced mRNA transcript levels in highly metastatic cells. Nucleoside diphosphate kinase (NDK) exists as a hexamer composed of 'A' (encoded by this gene) and 'B' (encoded by NME2) isoforms. Mutations in this gene have been identified in aggressive neuroblastomas. Two transcript variants encoding different isoforms have been found for this gene. Co-transcription of this gene and the neighboring downstream gene (NME2) generates naturally-occurring transcripts (NME1-NME2), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

Metabolic pathways, Purine metabolism, Pyrimidine metabolism

Product images: