

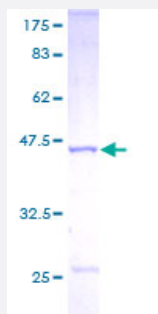
Full-Length

NME1 (Human) Recombinant Protein (P01)

Catalog # H00004830-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NME1 full-length ORF (AAH00293, 1 a.a. - 152 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MANCERTFIAIKPDGVQRGLVGEIIKRFEQKGFRVLVGLKFMQASEDLLKEHYVDLKDRPFFAGLVK YMHSGPVVAMVWEGLNVVKTGRVMLGETNPADSKPGTIRGDFCIQVGRNIIHGSDSVESAEKEIG LWFHPEELVDYTSCAQNWIYE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.46
Interspecies Antigen Sequence	Mouse (94); Rat (95)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NME1

Entrez GeneID [4830](#)

GeneBank Accession# [BC000293](#)

Protein Accession# [AAH00293](#)

Gene Name NME1

Gene Alias AWD, GAAD, NB, NBS, NDPK-A, NDPKA, NM23, NM23-H1

Gene Description non-metastatic cells 1, protein (NM23A) expressed in

Omim ID [156490](#) [256700](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations NDP kinase A|OTTHUMP00000174772

Publication Reference

- [Improvement of protein immobilization for the elaboration of tumor-associated antigen microarrays: application to the sensitive and specific detection of tumor markers from breast cancer sera.](#)

Yang Z, Chevolot Y, Géhin T, Solassol J, Mange A, Souteyrand E, Laurenceau E.

Biosensors & Bioelectronics 2013 Feb; 40(1):385.

Application: Array, Recombinant protein

Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)
- [Pyrimidine metabolism](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Endometrial Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Neoplasm Metastasis](#)