

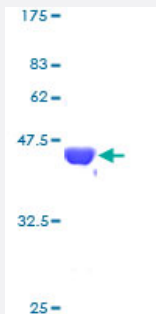
Full-Length

NME2 (Human) Recombinant Protein (P01)

Catalog # H00004831-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NME2 full-length ORF (AAH02476, 1 a.a. - 152 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MANLERTFIAIKPDGVQRGLVGEIIKRFEQKGFRLVAMKFLRASEEHLKQHYDLKDRPFFPGLVKY MNSGPVVAMVWEGLNVVKTGRVMLGETNPADSKPGTIRGDFCIQVGRNIIHGSDSVKSAEKEISL WFKPEELVDYKSCAHDWVYE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.46
Interspecies Antigen Sequence	Mouse (98); Rat (98)
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 — NME2

Entrez GeneID [4831](#)

GeneBank Accession# [BC002476](#)

Protein Accession# [AAH02476](#)

Gene Name NME2

Gene Alias MGC111212, NDPK-B, NDPKB, NM23-H2, NM23B, puf

Gene Description non-metastatic cells 2, protein (NM23B) expressed in

Omim ID [156491](#)

Gene Ontology [Hyperlink](#)

Gene Summary Nucleoside diphosphate kinase (NDK) exists as a hexamer composed of 'A' (encoded by NME1) and 'B' (encoded by this gene) isoforms. Multiple alternatively spliced transcript variants encoding the same isoform have been found for this gene. Co-transcription of this gene and the neighboring upstream gene (NME1) generates naturally-occurring transcripts (NME1-NME2) which encode a fusion protein comprised of sequence sharing identity with each individual gene product. [provided by RefSeq]

Other Designations NDP kinase B|OTTHUMP00000174727|OTTHUMP00000174728|OTTHUMP00000174774|OTTHUMP00000174775|OTTHUMP00000174776|c-myc transcription factor|non-metastatic cells 2, protein (NM23) expressed in

Publication Reference

- [A role for nucleotides in support of breast cancer angiogenesis: heterologous receptor signalling.](#)

Yokdang N, Tellez JD, Tian H, Norvell J, Barsky SH, Valencik M, Buxton IL.

British Journal of Cancer 2011 May; 104(10):1628.

Application: ELISA, Func, Human, As a standard, Human cord blood endothelial colony forming cells, Recombinant protein

- [Measurement of Human Breast Tumor Cell-Secreted shNDPK-B in a Murine Breast Cancer Model Suggests its Role in Metastatic Progression.](#)

Yokdang N, Buxton ND, Buxton IL.

Proceedings of the Western Pharmacology Society 2009 Dec; 52:88.

Application: ELISA, Mouse, Serum

Pathway

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