

Recombinant Human NME1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NME1-3473H **Lot. No.** (See product label)

SPECIFICATION

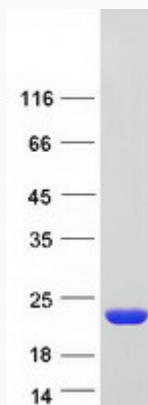
Product Overview	NME1 MS Standard C13 and N15-labeled recombinant protein (NP_000260) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene (NME1) was identified because of its reduced mRNA transcript levels in highly metastatic cells. Nucleoside 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.
Molecular Mass	17.1 kDa
AA Sequence	MANCERTFIAIKPDGVQRGLVGEIIRFEQKGFRLVGLKFMQASEDLLKEHYVDLKD RPFFAGLVKYMHS GPVVAMVWEGLN VVK TGRV MLGETNPADSKPGTIRGDFCIQV GRNIIHGSDSVESAEKEIGLWFHPEELVDYTSCAQNWIIYETRTRPLEQKLISEEDLAA NDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	NME1 NME/NM23 nucleoside diphosphate kinase 1 [Homo sapiens (human)]
Official Symbol	NME1
Synonyms	NME1; non-metastatic cells 1, protein (NM23A) expressed in; nucleoside diphosphate kinase A; NM23; NM23 H1; NDP kinase A; granzyme A-activated DNase; metastasis inhibition factor nm23; tumor metastatic process-associated protein; NB; AWD; NBS; GAAD; NDKA; NDPKA; NDPK-A; NM23-H1;
Gene ID	4830
mRNA Refseq	NM_000269
Protein Refseq	NP_000260
MIM	156490
UniProt ID	P15531

SDS-PAGE

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