

Product datasheet for PH302603

NME4 (NM_005009) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NME4 MS Standard C13 and N15-labeled recombinant protein (NP_005000)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202603
Predicted MW:	20.7 kDa
Protein Sequence:	>RC202603 protein sequence Red =Cloning site Green =Tags(s) MGGLFWRSALRGLRRCGPAPGSPSLLVRHGSGGPSWTRERTLVAVKPDGVQRRLVGDVIQRFERRGFTLVG MKMLQAPESVLAEHYQDLRRKPFYPALIRYMSSGPVVAMVWEGYNVVRASRAMIGHTDSAEAAPGTIRGD FSVHISRNVIHASDSVEGAQREIQLWFQSSSELVSWADGGQHSSIHPA TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005000
RefSeq Size:	1059
RefSeq ORF:	561
Synonyms:	NDPK-D; nm23-H4; NM23H4
Locus ID:	4833
UniProt ID:	O00746



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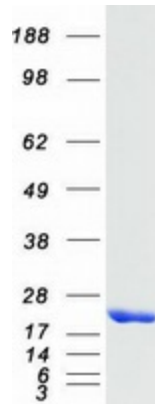
Cytogenetics: 16p13.3

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:



Coomassie blue staining of purified NME4 protein (Cat# [TP302603]). The protein was produced from HEK293T cells transfected with NME4 cDNA clone (Cat# [RC202603]) using MegaTran 2.0 (Cat# [TT210002]).