

Product datasheet for PH302669

Nucleoside Diphosphate Kinase 7 (NME7) (NM_197972) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NME7 MS Standard C13 and N15-labeled recombinant protein (NP_932076)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202669
Predicted MW:	42.5 kDa
Protein Sequence:	>RC202669 protein sequence Red=Cloning site Green=Tags(s)

MNHSERFVIAEWYDPNASLLRRYELLFYPGDGSVEMHDVKNHRTFLKRTKYDNLHLEDLFIGNKVNVFS
RQLVLIIDYGDQYTARQLGSRKEKTLALIKPDAISKAGEIIEIINKAGFTITKLKMMMLSRKEALDFHVDH
QSRPFFNELIQFITTGPIIAMEILRDDAICEWKRLGPNANSGVARTDASESIRALFGTDGIRNAAHGPDS
FASAAREMELFFSSGGCGPANTAKFTNCTCCIVKPHAVSEGLLGKILMAIRDAGFEISAMQMFNMDRVN
VEEFYEVYKGVVTEYHDMVTEMYSGPCVAMEIQNNATKTFREFCGPADPEIARHLRPGTLRAIFGKTKI
QNAVHCTDLPEDGLLEVQYFFKILDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:	<u>NP_932076</u>
RefSeq Size:	1625
RefSeq ORF:	1131
Synonyms:	CFAP67; MN23H7; NDK 7; NDK7; nm23-H7
Locus ID:	29922



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UniProt ID: [Q9Y5B8](#), [A0A024R8Z7](#)

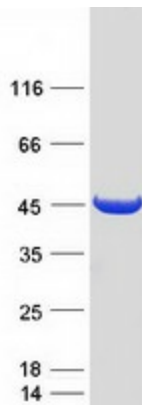
Cytogenetics: 1q24.2

Summary: This gene encodes a member of the non-metastatic expressed family of nucleoside diphosphate kinases. Members of this family are enzymes that catalyzes phosphate transfer from nucleoside triphosphates to nucleoside diphosphates. This protein contains two kinase domains, one of which is involved in autophosphorylation and the other may be inactive. This protein localizes to the centrosome and functions as a component of the gamma-tubulin ring complex which plays a role in microtubule organization. Mutations in this gene may be associated with venous thromboembolism. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Purine metabolism, Pyrimidine metabolism

Product images:



Coomassie blue staining of purified NME7 protein (Cat# [TP302669]). The protein was produced from HEK293T cells transfected with NME7 cDNA clone (Cat# [RC202669]) using MegaTran 2.0 (Cat# [TT210002]).