Recombinant Full Length Human NME7 Protein, GST-tagged

Cat. No. NME7-7011HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length NME7(1 a.a. - 376 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	376 amino acids
Description	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.
Molecular Mass	68.9 kDa
AA Sequence	MNHSERFVFIAEWYDPNASLLRRYELLFYPGDGSVEMHDVKNHRTFLKRTKYDNLH LEDLFIGNKVNVFSRQLVL IDYGDQYTARQLGSRKEKTLALIKPDAISKAGEIIEIINKA GFTITKLKMMMLSRKEALDFHVDHQSRPFFNELI QFITTGPIIAMEILRDDAICEWKRL LGPANSGVARTDASESIRALFGTDGIRNAAHGPDSFASAAREMELFFPSS GGCGPA NTAKFTNCTCCIVKPHAVSEGLLGKILMAIRDAGFEISAMQMFNMDRVNVEEFYEVY

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	KGVVTEYHDMVT EMYSGPCVAMEIQQNNATKTFREFCGPADPEIARHLRPGTLRAI FGKTKIQNAVHCTDLPEDGLLEVQYFFKILD N
Applications	ELISA; WB-Re; AP; Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	NME7 NME/NM23 family member 7 [Homo sapiens (human)]
Official Symbol	NME7
Synonyms	NME7; NME/NM23 family member 7; non-metastatic cells 7, protein expressed in (nucleoside-diphosphate kinase); EC 2.7.4.6; FLJ37194; MN23H7; NDK 7; nucleoside diphosphate kinase 7; NDP kinase 7; nucleoside-diphosphate kinase 7; nm23-H7; OTTHUMP00000032536; OTTHUMP00000231077; OTTHUMP00000231078
Gene ID	29922
mRNA Refseq	NM_013330
Protein Refseq	NP_037462
MIM	613465
UniProt ID	Q9Y5B8

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