Bioactive Full-Length

NME2 (Human) Recombinant Protein

Catalog # P7962 Size 100 ug

Applications

Specification

Product Description	Human NME2 (P22392, 1 a.a. - 152 a.a.) full length recombinant protein expressed in *Escherichia coli*.
Sequence	MANLERTFIAIKPDGVQRGLVGEIIKRFEQKGFRLVAMKFLRASEEHLKQHYIDLKDRPFFPGLVKY MNSGPVVAMVWEGLNVVKTGRVMLGETNPADSKPGTIRGDFCIQVGRNIIHGSDSVKSAEKEISL WFKPEELVDYKSCAHDWVYE
Host	Escherichia coli
Theoretical MW (kDa)	17.2
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 90% by SDS-PAGE
Activity	Specific activity is > 1800 unit/mg, and is defined as the amount of enzyme that convert 1.0 umole ea ch of ATP and TDP to ADP and TTP per minute at pH 7.5 at 25°C in a couple system with PK/LDH.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In 20mM Tris-HCl pH 8.0 (10% glycerol, 1 mM DTT)

Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — NME2

Entrez GeneID	4831
Protein Accession#	P22392
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 neighborin g upstream gene (NME1) generates naturally-occurring transcripts (NME1-NME2) which encode a fusion protein comprised of sequence sharing identity with each individual gene product. [provid ed by RefSeq
Other Designations	NDP kinase B|OTTHUMP00000174727|OTTHUMP00000174728|OTTHUMP00000174774|OTT HUMP00000174775|OTTHUMP00000174776|c-myc transcription factor|non-metastatic cells 2, p rotein (NM23) expressed in

Pathway

- Metabolic pathways
- Purine metabolism
- Pyrimidine metabolism