

## 32-13339: NME2 Human

**Application :** Functional Assay

**Alternative Name :** Nucleoside diphosphate kinase B, NDPK-B, NDPKB, NM23-H2, NM23B.

### Description

Source: E.coli.

Sterile Filtered colorless solution.

Non-Metastatic Cells 2 or NME2, is a protein, that acts as a nucleoside diphosphate kinase. This protein is of a heterodimeric structure and has 152 aa A & B polypeptide chains that builds the whole protein. Erythrocyte NDP kinase beta subunit has an identical structure to NME2. NDP kinases linked to nucleoside triphosphates synthesis and it appears as though NME2 takes part in regulating signal transduction.

NME2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 152 amino acids (1-152 a.a.) and having a molecular mass of 17.2kDa.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** The NME2 solution (1mg/ml) contains 10% glycerol, 20mM Tris-HCl buffer (pH 8.0) and 1mM DTT.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MANLERTFIA IKPDGVQRGL VGEIIRFEQ KGFRLVAMKF LRASEHLKQ HYIDLKDRPF FPGLVKYMNS  
GPVVAMVWEG LNVVKTGRVM LGETNPADSK PGTIRGDFCI QVGRNIIHGS DSVKS AEKEI SLWFKPEELV  
DYKSCAHDWV YE

### Application Note

Specific activity is > 1,800unit/mg, and is defined as the amount of enzyme that convert 1.0 umole each of ATP and TDP to ADP and TTP per minute at pH 7.5 at 25C in a couple system with PK/LDH.