

## 32-6991: NME2 Rat

**Alternative Name :** Nucleoside diphosphate kinase B, NDK B, NDP kinase B, Histidine protein kinase NDKB, P18.

### Description

Source: Escherichia Coli.

Sterile Filtered clear solution.

NME2 takes an important part in the synthesis of nucleoside triphosphates other than ATP. NME2 negatively controls Rho activity by interacting with AKAP13/LBC. NME2 acts as a transcriptional activator of the MYC gene. NME2 binds DNA non-specifically. NME2 is a heterodimeric enzyme functioning as a nucleoside diphosphate kinase. NME1 and NME2 contain 152 amino acids, A and B polypeptide chains of the NM23 enzyme, respectively. NME2 is identical to the beta subunit of human erythrocyte NDP kinase. NDP kinases participate in the synthesis of nucleoside triphosphates, and NM23 is involved in the regulation of signal transduction by complexing with G proteins, causing activation/inactivation of developmental pathways. NME2 Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 175 amino acids (1-152 a.a) and having a molecular mass of 19.7kDa. NME2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

<b>Amount :</b>	5 µg / 20 µg
<b>Purification :</b>	Greater than 90.0% as determined by SDS-PAGE.
<b>Content :</b>	NME2 protein solution (1mg/ml) containing Phosphate Buffered Saline pH 7.4 and 10% glycerol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSMANLERT FIAIKPDGVQ RGLVGEIHKR FEQKGFRLVA MKFLRASEEH LKQHYIDLKD RPFPPGLVKY MNSGPVVAMV WEGLNVVKTG RVMLGETNPA DSKPGTIRGD FCIQVGRNII HGSDSVESAE KEIGLWFKPE ELIDYKSCAH DWVYE.