

NME2, human recombinant

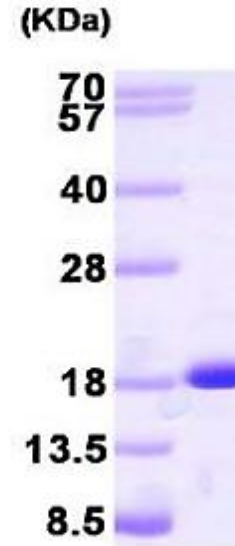
CATALOG #:	7824-100	100 µg
ALTERNATE NAMES:	Nucleoside diphosphate kinase B, NDPK-B, NDPKB, NM23-H2, NM23B.	
SOURCE:	E. Coli	
PURITY:	> 95% by SDS - PAGE	
MOL. WEIGHT:	17.2 kDa (152 aa, 1-152 aa)	
FORM:	Liquid	
FORMULATION:	1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol and 1 mM DTT	

STORAGE CONDITIONS: Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION: NME2, also known as NM23B, is a heterodimeric protein functioning as a nucleoside diphosphate (NDP) kinase. NME1 and NME2 comprise the 152 amino acid A and B polypeptide chains of the NM23 enzyme, respectively. NME2 is identical to the beta subunit of human erythrocyte NDP kinase. NDP kinases are involved in the synthesis of nucleoside triphosphates, and NM23 may act in the regulation of signal transduction by complexing with G proteins, causing activation/inactivation of developmental pathways. Recombinant human NME2 protein was expressed in E.coli and purified by using conventional chromatography techniques.

AMINO ACID SEQUENCE: MANLERTFIA IKPDGVQRGL VGEIIKRFEQ KGFRLVAMKF LRASEEHLKQ HYIDLKDRPF FPGLVKYMNS GPVVAMVWEG LNVVKTGRVM LGETNPADSK PGTIRGDFCI QVGRNIIHGS DSVKSAEKEI SLWFKPEELV DYKSCAHDWV YE

BIOLOGICAL ACTIVITY: Specific activity is > 340 units/ml, in which one unit will convert 1.0 µmole each of TDP and ATP to TTP and ADP per minute at pH 7.6 at 25°C in a coupled system with PK/LDH.



15% SDS-PAGE (3µg)

Human Recombinant NME2

RELATED PRODUCTS:

- NME1, human recombinant (Cat. No. 7823-100)
- NME3, human recombinant (Cat. No. 7825-100)
- NME4, human recombinant (Cat. No. 7826-100)

FOR RESEARCH USE ONLY! Not to be used in humans.

