

Nme2, 1-152aa, Rat, His tag, E.coli

Cat.NO.: TP03169

3th Edition

Synonyms:NDKB, nm23-2, p18-12d

Description:Nme2 also known as nucleoside diphosphate kinaseB is a heterodimeric protein functioning as a nucleoside diphosphate (NDP) kinase. Nme2 is a ubiquitous enzyme that catalyses phosphorylation of nucleoside 5'-diphosphate (NDP) to the corresponding triphosphate (NTP), following a Ping-Pong mechanism which includes the formation of a phosphohistidine intermediate. Recombinant rat Nme2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline pH 7.4 containing 10% glycerol

Molecular Weight:19.7kDa (175aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMANLERTFIAIKPDGVQRGLVGEIIKRFEQKGFRLVAMKFLRASEEHLKQHYI
DLKDRPFFPGLVKYMNSGPVVAMVWEGLNVVKTGRVMLGETNPADSKPGTIRGDFCIQVGRNIIHGSDSVESA
EIGLWFKPEELIDYKSCAHDWVYE

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: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.