

NDK, 1-143 aa, E.coli, His tag, E.coli

Cat.NO.: TP03117

3th Edition

Synonyms:Nucleoside diphosphate kinase.

Description:ndk, also known as Nucleoside diphosphate kinase, is an enzyme that catalyzes the exchange of phosphate groups between different nucleoside diphosphates. This protein activity maintains an equilibrium between the concentrations of different nucleoside triphosphates such as, for example, when GTP produced in the citric acid (Krebs) cycle is converted to ATP.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl,1mM DTT

Molecular Weight:18.0 kDa(167aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMAIERTFSIIKPNVAKNVIGNIFARFEAAGFKIVGKMLHLTVEQARGFYAE
HDGKPFDFGLVEFMTSGPIVVSLEGENAVQRHRDLLGATNPANALAGTLRADYADSLTENGTHGSDSVESAAREI
AYFFGEGEVCPRTR

Purity:> 95% by HPLC

Concentration:1.0 mg/ml (determined by Bradford assay)

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.