

32-3063: NDK Recombinant Protein

Alternative Name : Nucleoside diphosphate kinase,NDK,NDP kinase,Nucleoside-2-P kinase,b2518,JW2502.

Description

Source : E.coli. NDK E.Coli Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 167 amino acids (1-143 a.a.) and having a molecular mass of 18kDa.NDK is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Nucleoside diphosphate kinase (Ndk) is an enzyme which catalyzes the exchange of phosphate groups between different nucleoside diphosphates. Ndk's activity sustains equilibrium between the concentrations of various nucleoside triphosphates for example, when GTP is produced in the citric acid (Krebs) cycle is converted to ATP. Ndk has a key role in the synthesis of nucleoside triphosphates other than ATP.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	NDK protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.1M NaCl 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 :	MGSSHHHHHH SSGLVPRGSH MGSHEMAIERT FSIKPNVA KNVIGNIFAR FEAAGFKIVG TKMLHLTVEQ ARGFYAEHDG KPFFDGLVEF MTSGPIVVSV LEGENAVQRH RDLLGATNPA NALAGTLRAD YADSLTENG HGSDSVESAA REIAYFFGEG EVCPRTR.