
Product Data Sheet

Product Name: NDK E.Coli
 Cat. No.: GP22566
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Nucleoside diphosphate kinase; NDK; NDP kinase; Nucleoside-2-P kinase; b2518; JW2502.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHEMAIERT FSIKPNVA KNVIGNIFAR FEAAGFKIVG TKMLHLTVEQ ARGFYAEHDG KPFFDGLVEF MTSGPIVSV LEGENAVQRH RDLLGATNPA NALAGTLRAD YADSLTENGT HGSDSVESAA REIAYFFGEG EVCPRTR.		
Formulation	NDK protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.1M NaCl and 1mM DTT.		

Introduction

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.

Stability

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA