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## AR50249PU-S ndk (1-143, His-tag) - Purified

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Alternate names:	ECK2514, JW2502, Nucleoside diphosphate kinase
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	<u>P0A763</u>
NCBI:	<u>NP_417013.1</u>
GenelD:	<u>945611</u>
Source:	E. coli
Format:	<b>State:</b> Liquid purified protein <b>Purity:</b> >95% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.1M NaCl,1mM DTT
Description:	Recombinant E. coli ndk protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. <b>AA Sequence:</b> MGSSHHHHHH SSGLVPRGSH MGSHMAIERT FSIIKPNAVA KNVIGNIFAR FEAAGFKIVG TKMLHLTVEQ ARGFYAEHDG KPFFDGLVEF MTSGPIVVSV LEGENAVQRH RDLLGATNPA NALAGTLRAD YADSLTENGT HGSDSVESAA REIAYFFGEG EVCPRTR <b>Molecular weight:</b> 18.0 kDa (167aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Lee B. et al. (2009) FEBS Lett. 583:3291-3295Kihara A. et al. (2011) Biosci Biotechnol Biochem, 75:1740-1745

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.