

Nucleoside diphosphate kinase (YNK1) Recombinant Protein | YNK1 recombinant protein

Recombinant *Saccharomyces cerevisiae* Nucleoside diphosphate kinase (YNK1)

CATALOG # AAA18550	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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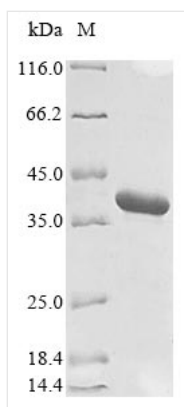
PRODUCT SYNONYMS

Nucleoside diphosphate kinase (YNK1); Recombinant *Saccharomyces cerevisiae* Nucleoside diphosphate kinase (YNK1); YNK1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-153aa; Full Length Protein
Sequence	MSSQTERTFI AVKPDGVQRG LVSQILSRFE KKG YKLVAIK LVKADDKLLE QHYAEHVGKP FFPKMVSFMK SGPILATVWE GKDVVRQGRT ILGATNPLGS APGTIRGDFG IDLGRNVCHG SDSVDSAERE INLWFKKEEL VDWESNQAKW IYE
Species	<i>Saccharomyces cerevisiae</i> (strain 204508 / S288c) (Baker's yeast)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for YNK1 recombinant protein	Major role in the synthesis of nucleoside triphosphates other than ATP. The ATP gamma phosphate is transferred to the NDP beta phosphate via a ping-pong mechanism, using a phosphorylated active-site intermediate. Required for repair of UV radiation- and etoposide-induced DNA damage.
References	"Sequence of a 20.7 kb region of yeast chromosome XI includes the NUP100 gene, an open reading frame (ORF) possibly representing a nucleoside diphosphate kinase gene, tRNAs for His, Val and Trp in addition to seven ORFs with weak or no significant similarity to known proteins." Rasmussen S.W. Yeast 10:S69-S74(1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6322783
NCBI GeneID	853798
NCBI Accession #	NP_012856.1
NCBI GenBank Nucleotide #	NM_001179633.1
UniProt Accession #	P36010; D6VXM0
Molecular Weight	19.2
NCBI Official Full Name	nucleoside diphosphate kinase
NCBI Official Symbol	YNK1
NCBI Official Synonym Symbols	NDK1
NCBI Protein Information	nucleoside diphosphate kinase
UniProt Protein Name	Nucleoside diphosphate kinase
UniProt Gene Name	YNK1
UniProt Synonym Gene Names	NDK1; YNK; NDK; NDP kinase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/ynk1-recombinant-protein-e-coli/18550>