Product Name: Recombinant Human NDPKA (N-6His)
Catalog #: PEH1247

Summary

Name	Nucleoside diphosphate kinase A/NM23-H1/NDPKA
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Nucleoside Diphosphate Kinase A is produced by our E.coli expression system and the target gene encoding Met1-Glu152 is expressed with a 6His tag at the N-terminus.
Accession #	P15531
Host	E.coli
Species	Human
Predicted Molecular Mass	19.3 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 1mM DTT, 10% Glycerol, pH 7.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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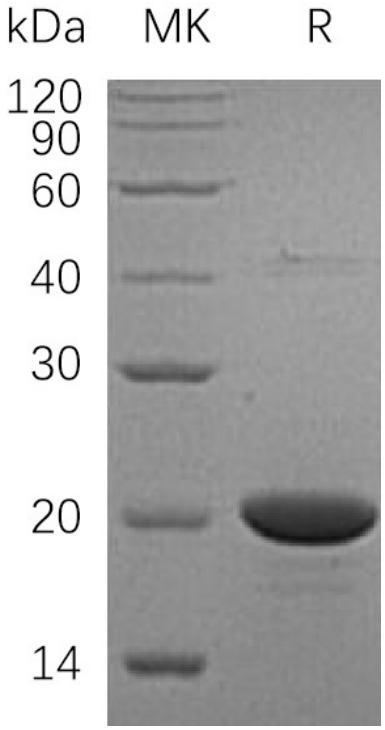

Alternative Names

Nucleoside Diphosphate Kinase A; NDK A; NDP Kinase A; Granzyme A-Activated DNase; GAAD; Metastasis Inhibition Factor nm23; Tumor Metastatic Process-Associated Protein; nm23-H1; NME1; NDPKA; NM23

Background

Nucleoside-Diphosphate Kinases (NDKs) are enzymes that catalyze the exchange of phosphate groups between different nucleoside diphosphates. NDKs Possesse nucleoside-diphosphate kinase, serine/threonine-specific protein kinase, geranyl and farnesyl pyrophosphate kinase, histidine protein kinase and 3-5 exonuclease activities. NDKs involved in cell proliferation, differentiation and development, signal transduction, G protein-coupled receptor endocytosis, and gene expression and required for neural development including neural patterning and cell fate determination. Prokaryotic NDK forms a functional homotetramer.There are two isoforms of NDK in humans: NDK-A and NDK-B. Both have very similar structure, and can combine in any proportion to form functional NDK hexamers.

Note

For Research Use Only , Not for Diagnostic Use.