

Recombinant Human NME1/NDKA Protein (His Tag)

Catalog No. PKSH032830

Note: Centrifuge before opening to ensure complete recovery of vial contents.

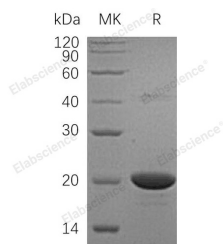
Description

Synonyms	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;AWD;GAAD;NB;NBS;NDK A;NDPK-A;NM23-H1
Species	Human
Expression Host	E.coli
Sequence	Met 1-Glu152
Accession	P15531
Calculated Molecular Weight	19.3 kDa
Observed molecular weight	21 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 1mM DTT, 10% Glycerol, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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

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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.