



Recombinant Protein Technical Manual
Recombinant Human NME1/NDKA Protein (His Tag)
RPES0826

Product Data:

Product SKU: RPES0826

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P15531

Protein Information:

Molecular Mass: 19.3 kDa

AP Molecular Mass: 20 kDa

Tag: N-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 TrisHCl, 1mM DTT, 10% Glycerol, pH 7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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;NDKA;NDPK-A;NM23-H1

Immunogen Information:

Sequence: Met 1-Glu152

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.