Recombinant NDK8 protein (His tag)

Catalog Number	548901
Synonyms	NDK; NDP kinase
Species	Human
Expression System	E. coli
Accession	O60361
Molecular Weight	Predictes a molecular mass of 17.18 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	1-137
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 1-137 aa (O60361) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Putative Nucleoside Diphosphate Kinase (NDK) Fragment (1-137) is a high-quality protein product designed for structural and biochemical studies. This fragment represents a stable and soluble unit of the enzyme, facilitating research into nucleoside triphosphate synthesis mechanisms. The full-length Putative Nucleoside Diphosphate Kinase (NDK) plays a major role in synthesizing nucleoside triphosphates other than ATP. It operates through a ping-pong mechanism, transferring the ATP gamma phosphate to the NDP beta phosphate via a phosphorylated active-site intermediate. This enzyme is crucial for maintaining nucleotide pools and supporting various cellular processes, although its subcellular localization is not specified in available data.