

NUAK1 recombinant protein

Recombinant NUAK1 (ARK5) protein

CATALOG # AAA60221	HOST Baculovirus
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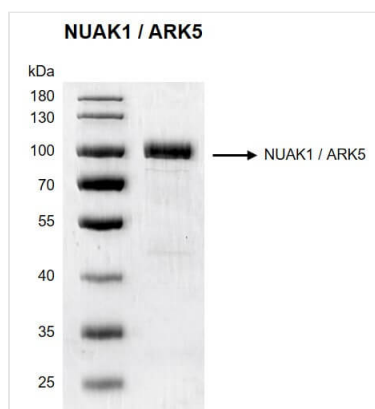
PRODUCT SYNONYMS

NUAK1; Recombinant NUAK1 (ARK5) protein; SNF1-like kinase 1; OMPHK1; KIAA0537; NUAK1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Form/Format	Recombinant NUAK1/ARK5 protein is supplied in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100, and 0.5mM TCEP
Protein Species	Human
Notes	Recombinant NUAK1/ARK5 protein is suitable for use in enzyme kinetics, inhibitor screening, and selectivity profiling.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



SDS-PAGE

Recombinant NUAK1 / ARK5 protein gel 10% SDS-PAGE with Coomassie blue staining MW:

76 kDa Purity: >95%

ADDITIONAL INFORMATION

Related Product Information for NUAK1 recombinant protein	Short Description: Recombinant NUAK1/ARK5 protein was expressed in a baculovirus expression system as the full-length protein (accession number NP_055655.1) with a C-terminal DYKDDDDK tag. The molecular weight of the protein is 76 kDa. Background: NUAK1, also known as ARK5, is the fifth member of the AMPK catalytic subunit family. It is a serine/ threonine-protein kinase that are activated by phosphorylation at its Ser600 by Akt, which has been reported to be a key player in tumor malignancy. The activated NUAK1 involves in various processes such as cell adhesion, regulation of cell ploidy and senescence, cell proliferation an tumor progression, such as it acts as a regulator of cellular senescence and cellular ploidy by mediating phosphorylation of 'Ser-464' of LATS1,and Controls cell adhesion by regulating activity of the myosin protein phosphatase 1 (PP1) complex. Which also involves in DNA damage response by phosphorylating p53/ TP53 at 'Ser-15' and 'Ser-392', and it is a sensitive indicator of cellular energy status and have been found to promote tumor cell survival during nutrient starvation.
Product Categories/Family for NUAK1 recombinant protein	Recombinant Proteins; Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	7662170
NCBI GeneID	9891
NCBI Accession #	NP_055655.1
NCBI GenBank Nucleotide #	NM_014840.2
NCBI Official Full Name	NUAK family SNF1-like kinase 1
NCBI Official Synonym Full Names	NUAK family kinase 1
NCBI Official Symbol	NUAK1
NCBI Official Synonym Symbols	ARK5
NCBI Protein Information	NUAK family SNF1-like kinase 1

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://stage.aaabiotech.com/nuak1-recombinant-protein-baculovirus/60221>