

Bioactive

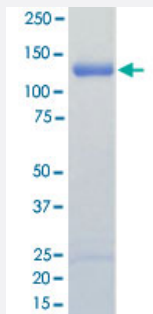
Full-Length

NUAK1 (Human) Recombinant Protein

Catalog # P5735

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human NUAK1 (NP_775490.2, 1 a.a. - 661 a.a.) full-length recombinant protein with GST tag expressed in Baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	102
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	90 % by SDS-PAGE/CBB staining.

Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg (or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip™3000. Substrate : CHKtide. ATP: 100 μM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — NUAK1

Entrez GeneID	9891
Protein Accession#	NP_055655.1
Gene Name	NUAK1
Gene Alias	ARK5, KIAA0537
Gene Description	NUAK family, SNF1-like kinase, 1
Omim ID	608130
Gene Ontology	Hyperlink
Gene Summary	SNF1-like kinase
Other Designations	AMP-activated protein kinase family member 5 AMPK-related protein kinase 5

Disease

- [Cognition](#)

- [Kidney Failure](#)