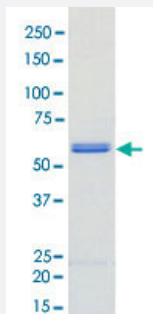


Bioactive

DAPK1 (Human) Recombinant Protein

Catalog # P5696 Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human DAPK1 (NP_004929.1, 1 a.a. - 289 a.a.) partial recombinant protein with His tag expressed in Baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	60
Form	Liquid
Preparation Method	Baculovirus expression system
Purification	Ni-NTA affinity chromatography
Purity	94 % 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 : DAPK1tide. 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 (0.1% CHAPS, 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 — DAPK1

Entrez GeneID	1612
Protein Accession#	NP_004929.1
Gene Name	DAPK1
Gene Alias	DAPK, DKFZp781I035
Gene Description	death-associated protein kinase 1
Omim ID	600831
Gene Ontology	Hyperlink
Gene Summary	Death-associated protein kinase 1 is a positive mediator of gamma-interferon induced programmed cell death. DAPK1 encodes a structurally unique 160-kD calmodulin dependent serine-threonine kinase that carries 8 ankyrin repeats and 2 putative P-loop consensus sites. It is a tumor suppressor candidate. [provided by RefSeq]
Other Designations	-

Pathway

- [Bladder cancer](#)
- [Pathways in cancer](#)

Disease

- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cognition](#)
- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Microsatellite Instability](#)
- [Narcolepsy](#)
- [Psychiatric Status Rating Scales](#)
- [Tobacco Use Disorder](#)