

Active Recombinant Human DAPK1 Protein, His-tagged

Cat. No. DAPK1-2336H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human DAPK1 (NP_004929.1, 1 a.a. - 289 a.a.) partial recombinant protein with His tag expressed in Baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
ProteinLength	1-289 a.a.
Description	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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]
Form	Liquid
Bio-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 μ M.
Molecular Mass	60 kDa
Purity	94 % by SDS-PAGE/CBB staining.

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Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)

GENE INFORMATION

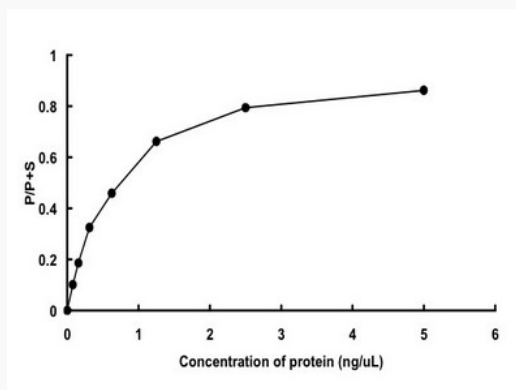
Gene Name	DAPK1 death-associated protein kinase 1 [Homo sapiens]
Official Symbol	DAPK1
Synonyms	DAPK1; death-associated protein kinase 1; DAPK; DAP kinase 1; DKFZp781I035;
Gene ID	1612
mRNA Refseq	NM_004938
Protein Refseq	NP_004929
MIM	600831
UniProt ID	P53355

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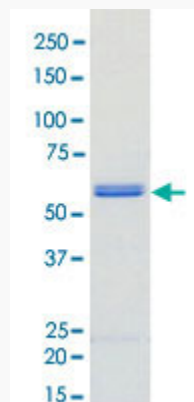
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Result of activity analysis



Quality Control Testing:



Loading 1 µg protein in SDS-PAGE

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