

Recombinant Human DAPK1

Cat. No. DAPK1-27363TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-363 of Human DAP Kinase 1, expressed by baculovirus in Sf9 insect cells using an N-terminal enzyme tag.
Species	Human
ProteinLength	1-363 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.
Biological activity	Specific activity: 49 nmol/min/mg.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily. Contains 10 ANK repeats. Contains 1 death domain. Contains 1 protein kinase domain.

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GENE INFORMATION

Gene Name	DAPK1 death-associated protein kinase 1 [Homo sapiens]
Official Symbol	DAPK1
Synonyms	DAPK1; death-associated protein kinase 1; DAPK;
Gene ID	1612
mRNA Refseq	NM_004938
Protein Refseq	NP_004929
MIM	600831
Uniprot ID	P53355
Chromosome Location	9q34.1
Pathway	Apoptosis, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; IFN-gamma pathway, organism-specific biosystem; Pathways in cancer, organism-specific biosystem;
Function	ATP binding; calmodulin binding; nucleotide binding; protein binding; protein serine/threonine kinase activity;

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