Active Recombinant Human DAPK1, GST-tagged

Cat. No. DAPK1-1395H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DAPK1 (1-363) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1-363 aa
Description	Death-associated protein kinase 1 (DAPK1) is a positive mediator of apoptosis induced by γ-interferon. Activation of DAPK occurs via dephosphorylation of Ser-308 and subsequent association of calcium/calmodulin. DAPK is rapidly dephosphorylated in response to tumor necrosis factor or ceramide and then subsequently degraded via proteasome activity. The decline in DAPK expression is paralleled with increased caspase activity and cell apoptosis. Studies suggest that the apoptosis regulatory activities mediated by DAPK are controlled both by phosphorylation status and protein stability.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Bio-activity	49 nmol/min/mg
Molecular Mass	~71 kDa

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>80%
Applications	Kinase Assay, Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1μg/μl

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
Chromosome Location	9q34.1
Pathway	Apoptosis, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; IFN-gamma pathway, organism-

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	specific biosystem; Pathways in cancer, organism-specific biosystem; Regulation of Apoptosis, organism-specific biosystem; Role of DCC in regulating apoptosis, organism-specific biosystem;
Function	ATP binding; calmodulin binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA