

Recombinant Human DAPK2

Cat. No. DAPK2-26805TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DAP Kinase 2 with an N-terminal terminal proprietary tag expressed in a Baculovirus infected Sf9 cell expression system; amino acids 1-370, 67kDa.
Species	Human
ProteinLength	1-370 a.a.
Description	This gene encodes a protein that belongs to the serine/threonine protein kinase family. This protein contains a N-terminal protein kinase domain followed by a conserved calmodulin-binding domain with significant similarity to that of death-associated protein kinase 1 (DAPK1), a positive regulator of programmed cell death. Overexpression of this gene was shown to induce cell apoptosis. It uses multiple polyadenylation sites.
Tissue specificity	Ubiquitously expressed in all tissue types examined. High levels in heart, lung and skeletal muscle.
Biological activity	The Specific activity of DAPK2-26805TH was determined to be 136 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

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily.Contains 1 protein kinase domain.
Full Length	Full L.
GENE INFORMATION	
Gene Name	DAPK2 death-associated protein kinase 2 [Homo sapiens]
Official Symbol	DAPK2
Synonyms	DAPK2; death-associated protein kinase 2; DRP 1; MGC119312;
Gene ID	23604
mRNA Refseq	NM_014326
Protein Refseq	NP_055141
Uniprot ID	Q9UIK4
Chromosome Location	15q22.1
Pathway	Apoptosis, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Pathways in cancer, organism-specific biosystem; Regulation of Apoptosis, organism-specific biosystem;
Function	ATP binding; calmodulin binding; calmodulin-dependent protein kinase activity;

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identical protein binding; nucleotide binding;

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