

Recombinant Human Death-Associated Protein Kinase 2, His-tagged

Cat. No. DAPK2-675H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanfull length DAPK2 with His tag. No special measures were taken to activatethis kinase.
Species	Human
Source	Insect Cells
Description	Death-associatedprotein kinase 2 is an enzyme that in humans is encoded by the DAPK2 gene.This gene encodes a protein that belongs to the serine/threonine proteinkinase family. This protein contains a N-terminal protein kinase domainfollowed by a conserved calmodulin-binding domain with significant similarityto that of death-associated protein kinase 1 (DAPK1), a positive regulator ofprogrammed cell death. Overexpression of this gene was shown to induce cellapoptosis. It uses multiple polyadenylation sites. The DAPK2 mRNA may undergoalternative splicing to produce a DAPK3-like encoding transcript.
Form	Liquid in 50 mMTris, pH 7.5 + 300 mM NaCl + 0.5 mM EDTA + 0.05% Brij-35 + 2 Mm DTT + 50%glycerol.
Molecular Weight	47.9 kDa
Concentration	0.28 mg/ml
Purity	≥ 90% as determinedby SDS-PAGE analysis.

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Storage	Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
Official Symbol	DAPK2
Full Length	Full L.
GENE INFORMATION	
Gene Name	DAPK2 death-associated protein kinase 2 [Homo sapiens]
Synonyms	DAPK2; death-associated protein kinase 2; DRP1; DRP-1; MGC119312; death-associated protein kinase 2; DAP kinase 2; OTTHUMP00000163874; DAP-kinase-related protein 1 beta isoform; DAP-kinase-related protein 1; EC 2.7.11.1; EC 2.7.11
Gene ID	23604
mRNA Refseq	NM_014326
Protein Refseq	NP_055141
UniProt ID	Q9UIK4
Chromosome Location	15q22.31
Pathway	Apoptosis; Bladder cancer; Pathways in cancer; Regulation of Apoptosis; Role of DCC in regulating apoptosis
Function	ATP binding; calmodulin binding; calmodulin-dependent protein kinase activity; identical protein binding; nucleotide binding; protein serine/threonine kinase activity
PDB rendering	

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