Recombinant Human DAPK2, GST-tagged, Active

Cat. No. DAPK2-290H **Lot. No.** (See product label)

SPECIFICATION

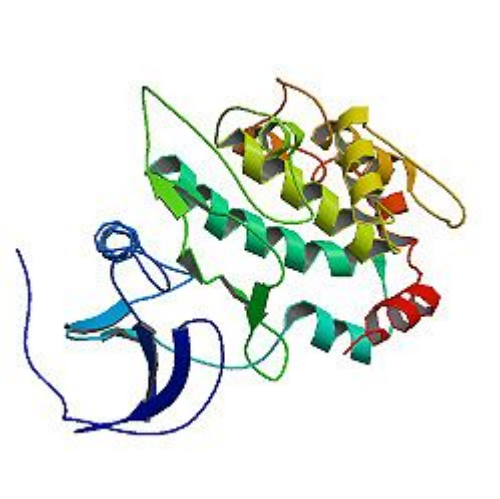
Product Overview	Recombinant human full-length DAPK2 was expressed by baculovirus in*Sf9 insect cell*susing a N-terminal GST tag. MW= 67kDa.
Species	Human
Source	Sf9 Cells
Description	DAPK2 or death-associated protein kinase 2 belongs to a family of proapoptotic Ca /calmodulin-regulated serine/threonine kinases. Overexpression of DAPK2 induces cell apoptosis. DAPK2 has been shown to be a novel Sp1-dependent target gene for E2F1 and Krüppel-like factor 6 (KLF6) in cell death response. Both E2F1 and KLF6 strongly activate the DAPK2 promoter. DAPK2 plays a role in granulopoiesis where it is highly expressed. β-catenin can block anoikis of malignant kidney and intestinal epithelial cells and promote their anchorage-independent growth by down-regulating DAPK2. β-catenin-induced down-regulation of DAPK2 requires the presence of the transcription factor TCF-4.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

Gene Name	DAPK2 death-associated protein kinase 2 [Homo sapiens]
Synonyms	DAPK2; death-associated protein kinase 2; DRP1; DRP-1; MGC119312; DAP kinase 2; OTTHUMP00000163874; DAP-kinase-related protein 1; EC 2.7.11.1
Gene ID	23604
mRNA Refseq	NM_014326
Protein Refseq	NP_055141
UniProt ID	Q9UIK4
Chromosome Location	15q22.31
Pathway	Bladder cancer; Pathways in cancer
Function	ATP binding; calmodulin binding; nucleotide binding ; protein serine/threonine kinase activity transferase activity

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PDB rendering based on 1wmk.	

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