Recombinant Human DAPK3, GST-tagged, Active

Cat. No. DAPK3-291H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full-length DAPK3 was expressed by baculovirus in*Sf9 insect cell*susing a N-terminal GST tag. MW= 79kDa.
Species	Human
Source	Sf9 Cells
Description	DAPK3 or Death-associated protein kinase 3 (also known as ZIP) plays a role in apoptosis. DAPK3 is a nuclear serine/threonine-specific kinase that phosphorylates core histones H3 and H4, and myosine light chain in vitro. DAPK3 interacts with transcription and splicing factors as well as with pro-apoptotic protein Par-4 suggesting that it participates in multiple cellular processes. DAPK3 contains a leucine zipper structure at its C terminus and this region is responsible for binding to ATF4. The leucine zipper domain is necessary for the homodimerization of DAPK3 as well as for the activation of the kinase.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70^{o}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.

GENE INFORMATION

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Gene Name	DAPK3 death-associated protein kinase 3 [Homo sapiens]
Synonyms	DAPK3; death-associated protein kinase 3; ZIP; ZIPK; FLJ36473; ZIP kinase isoform; EC 2.7.11.1; ZIP-kinase
Gene ID	1613
mRNA Refseq	NM_001348
Protein Refseq	NP_001339
MIM	603289
UniProt ID	O43293
Chromosome Location	19p13.3
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 1yrp.



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