

# Recombinant Human Death-Associated Protein Kinase 3, GST-tagged

**Cat. No.** DAPK3-892H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	A DNA sequence encoding the full length of human DAPK3 ( NP_001339.1 ) ( Met 1 - Arg 454 ) was fused with the GST tag at the N-terminus
<b>Species</b>	Human
<b>Source</b>	Human
<b>ProteinLength</b>	1-454 a.a.
<b>Description</b>	Death-associated protein kinase 3 is a nucleus and cytoplasm protein. DAPK3 / ZIPK regulates myosin light chain phosphatase through phosphorylation of MYPT1 thereby regulating the assembly of the actin cytoskeleton, cell migration, invasiveness of tumor cells, smooth muscle contraction and neurite outgrowth. It is involved in the formation of promyelocytic leukemia protein nuclear body (PML-NB), one of many subnuclear domains in the eukaryotic cell nucleus, and which is involved in oncogenesis and viral infection.
<b>Form</b>	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10mM GSH, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
<b>Purity</b>	> 85 % as determined by SDS-PAGE
<b>Endotoxin</b>	1.0 EU per µg protein as determined by the LAL method

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70 °C
<b>Predicted N terminal</b>	Met
<b>Molecular Mass</b>	The recombinant human DAPK3/GST chimera consists of 678 amino acids and predicts a molecular mass of 79 kDa. It migrates as an approximately 70 kDa band in SDS-PAGE under reducing conditions.
<b>Storage</b>	Store it under sterile conditions at -70°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	DAPK3 death-associated protein kinase 3 [ Homo sapiens ]
<b>Official Symbol</b>	DAPK3
<b>Synonyms</b>	DAPK3; death-associated protein kinase 3; ZIP; ZIPK; FLJ36473; ZIP kinase isoform; EC 2.7.11.1; ZIP-kinase
<b>Gene ID</b>	1613
<b>mRNA Refseq</b>	NM_001348
<b>Protein Refseq</b>	NP_001339
<b>MIM</b>	603289
<b>UniProt ID</b>	O43293

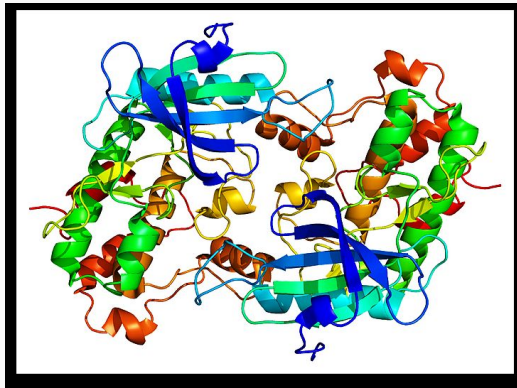
 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Chromosome Location</b>	19p13.3
<b>Pathway</b>	Bladder cancer; Pathways in cancer
<b>Function</b>	ATP binding; calmodulin binding; nucleotide binding ; protein serine/threonine kinase activity transferase activity

**PDB rendering based on 1yrp.**



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA