Recombinant Mouse Dapk2 Protein, Myc/DDK-tagged

Cat. No. Dapk2-2452M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length death-associated protein kinase 2 (Dapk2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Calcium/calmodulin-dependent serine/threonine kinase involved in multiple cellular signaling pathways that trigger cell survival, apoptosis, and autophagy. Capable of regulating both type I apoptotic and type II autophagic cell death signals. The former involves caspase activation, chromatin and mitochondrial condensation while the latter involves caspase-independent cell death in conjunction with accumulation of mature autophagic vesicles, plasma membrane blebs, and nuclear condensation without DNA degradation. Mediator of anoikis and a suppressor of beta-catenin-dependent anchorage-independent growth of malignant epithelial cells. May play a role in granulocytic maturation. Regulates granulocytes motility by controlling cell spreading and polarization.
Molecular Mass	42.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Dapk2 death-associated protein kinase 2 [Mus musculus (house mouse)]
Official Symbol	Dapk2
Synonyms	DAPK2; death-associated protein kinase 2; DRP-1; DAP kinase 2; death-associated kinase 2; DAP-kinase-related protein 1 beta isoform
Gene ID	13143
mRNA Refseq	NM_010019
Protein Refseq	NP_034149
UniProt ID	Q8VDF3

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