

DAPK2 recombinant protein

DAPK2, Active

CATALOG # AAA73390	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

DAPK2; Active; DRP-1; MGC119312; DAPK2 recombinant protein

PRODUCT SPECIFICATIONS

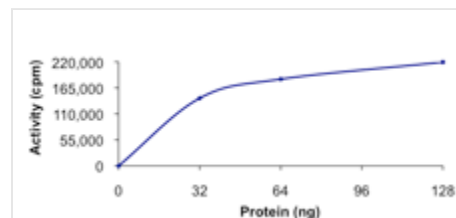
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for DAPK2 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for DAPK2 recombinant protein	Recombinant human full-length DAPK2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST. The gene accession number is NM_014326. DAPK2 or death-associated protein kinase 2 belongs to a family of proapoptotic Ca(2+)/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 (1). Both E2F1 and KLF6 strongly activate the DAPK2 promoter. DAPK2 plays a role in granulopoiesis where it is highly expressed. beta-catenin can block anoikis of malignant kidney and intestinal epithelial cells and promote their anchorage-independent growth by down-regulating DAPK2 (2). beta-catenin-induced down-regulation of DAPK2 requires the presence of the transcription factor TCF-4.
Product Categories/Family for DAPK2 recombinant protein	Protein Kinases; Apoptosis/Autophagy; Cancer; Cellular Stress; ERK/MAPK Pathway; Inflammation; Neurobiology; Ser/Thr Kinases

References

- 1.Britschgi A. et al: DAPK2 is a novel E2F1/KLF6 target gene involved in their proapoptotic function. Oncogene. 2008 Sep 25;27(43):5706-16.
- 2.Li, H. et al: Down-regulation of death-associated protein kinase-2 is required for beta-catenin-induced anoikis resistance of malignant epithelial cells. J Biol Chem. 2009 Jan 23;284(4):2012-22.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_014326](#)

Molecular Weight

~67kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/dapk2-recombinant-protein-sf9-wb-western-blot-kinase-assay/73390>