

DNAJB1-PRKACA recombinant protein

DNAJB1-PRKACA, Active

CATALOG # AAA73847	HOST Sf9 insect cells	APPLICATIONS Kinase Assay
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PRODUCT SYNONYMS

DNAJB1-PRKACA; Active; DNAJB1: Hsp40; DNAJ1 PRKACA: PKACA; PPNAD4; DNAJB1-PRKACA recombinant protein

PRODUCT SPECIFICATIONS

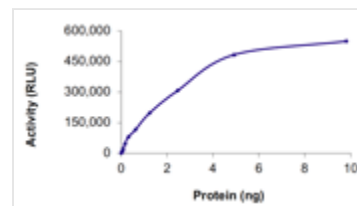
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 300mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for DNAJB1-PRKACA recombinant protein	Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped 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 Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for DNAJB1-PRKACA recombinant protein	Recombinant human fusion protein DNAJB1(2-70)-PRKACA (16-351) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession numbers of DNAJB1 and PRKACA are, NM_006145 and NM_002730, respectively. DNAJB1-PRKACA is a chimeric fusion between the catalytic subunit alpha (PRKACA) of protein kinase A and the J-domain of the heat shock protein 40 (DNAJB1). A single segmental genetic deletion in one copy of chromosome 19 combines the first exon of DNAJB1 with exon 2 through 10 of PRKACA and results in the chimeric gene DNAJB1-PRKACA (1). Fusion kinase, DNAJB1-PRKACA is implicated in development of Fibrolamellar Hepatocellular Carcinoma (FL-HCC), thus is a potential oncogenic factor and a candidate drug target for FL-HCC (2).
Product Categories/Family for DNAJB1-PRKACA recombinant protein	Mutant Kinases; Cancer; Cardiovascular Disease

References

1. Honeyman, J N. et al: Detection of a recurrent DNAJB1-PRKACA chimeric transcript in fibrolamellar hepatocellular carcinoma. Science 343: 1010-1014, 2014.
2. Kastenhuber, E R. et al: DNAJB1-PRKACA fusion kinase interacts with beta-and the liver regenerative response to drive fibrolamellar hepatocellular carcinoma. PNAS 14(50): 13076-13084, 2017.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_006145](#)

Molecular Weight

70kDa

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://stage.aaabiotech.com/dnajb1-prkaca-recombinant-protein-sf9-insect-cells-kinase-assay/73847>