ANXA4-PKN1 recombinant protein

ANXA4-PKN1 (Aex2Pex13), Active

CATALOG #	HOST	APPLICATIONS
AAA73870	**Sf9 insect cells**	**Kinase Assay**

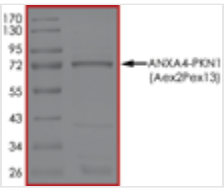
PRODUCT SYNONYMS

ANXA4-PKN1; ANXA4-PKN1 (Aex2Pex13); Active; ANX4; P32.5; PIG28; PP4-X; ZAP36; PAP-II; HEL-S-274; PRK1; DBK; PKN1; PKN; MGC46204; PAK1; PRKCL1; PKC-L1; ANXA4-PKN1 recombinant protein

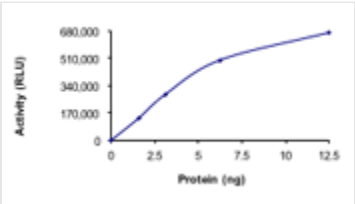
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, and 25% glycerol.
Applicable Applications for ANXA4-PKN1 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 ANXA4-PKN1 recombinant protein	Recombinant human fusion protein ANXA4 (1-3a.a., exons1-2)-PKN1 (578a.a.-end, exons13-22) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number of ANXA4 is NM_001153, and the gene accession number of PKN1 is NM_002741. PKN1/PRK1 belongs to the protein kinase C superfamily which is activated by Rho family of small G proteins. PKN1/PRK1 is known to mediate the Rho-dependent signaling pathway and it can be activated by phospholipids and by limited proteolysis (1). PDPK1/PDK may also mediate insulin signals to the actin cytoskeleton and the proteolytic activation of this kinase by caspase-3 or related proteases during apoptosis suggest its role in signal transduction related to apoptosis. PKN1/PRK signaling stimulates AR activity in the presence of adrenal androgens and in the presence of an AR antagonist (2).
Product Categories/Family for ANXA4-PKN1 recombinant protein	Mutant Kinases; Cancer

References	1. Amano, M.et.al: Identification of a putative target for rho as the serine-threonine kinase protein kinase N. Science 271: 648-651, 1996. 2. Metzger, E. et.al: A novel inducible transactivation domain in the androgen receptor: implications for PRK in prostate cancer. EMBO J. 22: 270-280, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_001153
Molecular Weight	72kDa

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/anxa4-pkn1-recombinant-protein-sf9-insect-cells-kinase-assay/73870