

PYK2 recombinant protein

PYK2, Active

CATALOG # AAA73886	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PYK2; Active; FAK2; PTK2B; CADTK; FADK2; CAKB; PKB; PTK; RAFTK; PYK2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.2mM DTT, 25% glycerol.
Applicable Applications for PYK2 recombinant protein	WB (Western Blot), Kinase Assay
Tag	HIS
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 PYK2 recombinant protein	Recombinant human PYK2 (360-690) was expressed by baculovirus in Sf9 cells using an N-terminal His tag. The gene accession number is NM_004103. PYK2 (also known as FAK2/RAFTK) is a member of the focal adhesion PTK family. PYK2/FAK2 can be activated by a variety of extracellular signals that elevate intracellular calcium concentration, and by stress signals (1). Unlike FAK, which is widely expressed in various tissues and links transmembrane integrin receptors to intracellular pathways, PYK2/FAK2 is expressed mainly in the central nervous system and in cells derived from hematopoietic lineages. In osteoclasts, although FAK is expressed, PYK2/FAK2 appears to be the predominant mediator of integrin alpha(v)beta3 signaling events that influence osteoclast physiology and pathology (2).
Product Categories/Family for PYK2 recombinant protein	Protein Kinases ; Cancer ; Cardiovascular Disease ; Cytoplasmic Tyrosine Kinases ; ERK/MAPK Pathway ; Inflammation ; Invasion/Metastasis ; JAK/STAT Pathway ; Neurobiology
References	1. Avraham, H. et al: RAFTK/Pyk2-mediated cellular signalling. Cell Signal. 2000 Mar;12(3):123-33. 2. Xiong, W C. et al: PYK2 and FAK in osteoclasts. Front Biosci. 2003 Sep 1;8:d1219-26.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_004103
Molecular Weight	~39kDa

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/pyk2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73886>