

FAK recombinant protein

FAK, Active

CATALOG # AAA73884	HOST Sf9 insect cells	APPLICATIONS Western Blot
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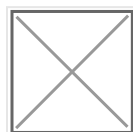
PRODUCT SYNONYMS

FAK; Active; PTK2; FADK; FAK1; FRNK; pp125FAK; FAK 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, 0.01% Triton X-100, 25% glycerol.
Applicable Applications for FAK 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 FAK recombinant protein	Recombinant full-length human FAK was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The FAK gene accession number is BC035404. FAK (Focal Adhesion Kinase) is a non-receptor protein tyrosine kinase involved in signal transduction from integrin-enriched focal adhesion sites that mediate cell contact with the extracellular matrix. FAK-enhanced signals have been shown to mediate the survival of anchorage-dependent cells and are critical for efficient cell migration in response to growth factor receptor and integrin stimulation (1). Elevated expression of FAK in human tumors has been correlated with increased malignancy and invasiveness (2). Elevated FAK expression in anaplastic astrocytoma and glioblastoma tumor biopsy samples has been demonstrated.
Product Categories/Family for FAK recombinant protein	Protein Kinases ; AKT/PKB Pathway ; Angiogenesis ; Cancer ; Cytoplasmic Tyrosine Kinases ; ERK/MAPK Pathway ; Invasion/Metastasis
References	1. Schaller, M D.: Biochemical signals and biological responses elicited by the focal adhesion kinase. Biochim Biophys Acta. 2001 Jul 25;1540(1):1-21. 2. Gabarra-Niecko, V. et al: FAK regulates biological processes important for the pathogenesis of cancer. Cancer Metastasis Rev. 2003 Dec;22(4):359-74.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34786073
NCBI GeneID	5747
Molecular Weight	140.0 kDa
NCBI Official Full Name	Homo sapiens PTK2 protein tyrosine kinase 2, mRNA
NCBI Official Synonym Full Names	protein tyrosine kinase 2
NCBI Official Symbol	PTK2
NCBI Official Synonym Symbols	FAK; FADK; FAK1; FRNK; PPP1R71; p125FAK; pp125FAK
NCBI Protein Information	focal adhesion kinase 1

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/fak-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73884>