

Active Recombinant Human FRK, GST-tagged

Cat. No. FRK-1408H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human FRK (208-end) was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	208 aa-end
Description	<p>FRK (fyn-related kinase) or Rak is a nuclear tyrosine kinase and member of the Src sub-family. Restricted expression of FRK is detected in a broad range of cell lines with highest levels in epithelial cells. Increased expression of FRK has been shown in breast and renal cell carcinoma cell lines. In addition the retinoblastoma tumor susceptibility gene product pRb associates with FRK in vitro and in vivo.</p> <p>Overexpression of FRK in beta-cells from the pancreas increases the susceptibility of these cells to beta-cell-toxic events (hallmark of Type I diabetes)(2).</p>
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Bio-activity	997 nmol/min/mg
Molecular Mass	~60 kDa
Purity	>90%

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Applications	Kinase Assay, Western Blot
Storage	Store at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1 $\mu\text{g}/\mu\text{l}$
GENE INFORMATION	
Gene Name	FRK fyn-related kinase [Homo sapiens]
Official Symbol	FRK
Synonyms	FRK; fyn-related kinase; PTK5, PTK5 protein tyrosine kinase 5; tyrosine-protein kinase FRK; GTK; RAK; protein-tyrosine kinase 5; PTK5 protein tyrosine kinase 5; nuclear tyrosine protein kinase RAK; PTK5;
Gene ID	2444
mRNA Refseq	NM_002031
Protein Refseq	NP_002022
MIM	606573
UniProt ID	P42685
Chromosome Location	6q21-q22.3
Function	ATP binding; non-membrane spanning protein tyrosine kinase activity; nucleotide

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