

Active Recombinant Human PEAK1, GST-tagged

Cat. No. PEAK1-1447H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PEAK1 (1127-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1127 aa-end
Description	PEAK1 or Pseudopodium-enriched atypical kinase 1 is a protein tyrosine kinase which belongs to NKf3 kinase family and regulates the cytoskeleton and has been shown to be involved in cancer progression. PEAK1 promotes anchorage-independent growth in the MDA-MB-435 human cancer cell line and promotes tumor progression of XPA-1 human pancreatic cancer cells when transplanted into the pancreas of nude mice. PEAK1 is highly expressed in spleen, followed by heart, ovary, brain, lung, kidney, and fetal brain.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	6 nmol/min/mg
Molecular Mass	~100 kDa
Purity	>95%

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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	0.1µg/µl
GENE INFORMATION	
Gene Name	PEAK1 NKF3 kinase family member [Homo sapiens]
Official Symbol	PEAK1
Synonyms	PEAK1; NKF3 kinase family member; pseudopodium-enriched atypical kinase 1; sugen kinase 269; tyrosine-protein kinase SgK269; pseudopodium enriched atypical kinase; SGK269; FLJ21140; FLJ34483; KIAA2002;
Gene ID	79834
mRNA Refseq	NM_024776
Protein Refseq	NP_079052
Function	ATP binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding;

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