

Active Recombinant Human FASTK, GST-tagged

Cat. No. FASTK-1402H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human FASTK was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	FASTK or Fas-Activated Serine/Threonine Kinase is a member of the serine/threonine protein kinase family that becomes rapidly activated during Fas-mediated apoptosis in Jurkat cells and in response to Fas receptor ligation. FASTK interacts with and phosphorylates TIA1 which is an apoptosis-promoting nuclear RNA-binding protein. FAST K influences alternative pre-mRNA splicing by affecting the activity of TIA-1/TIAR. FASTK is a strong inducer of lymphocyte apoptosis. FASTK is the component of the molecular cascade that involved in FAS-mediated apoptosis. FASTK is highly expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney, and pancreas.
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	1.0 nmol/min/mg
Molecular Mass	~84 kDa

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Purity	>70%
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	FASTK Fas-activated serine/threonine kinase [Homo sapiens]
Official Symbol	FASTK
Synonyms	FASTK; Fas-activated serine/threonine kinase; fas-activated serine/threonine kinase; FAST; FAST kinase;
Gene ID	10922
mRNA Refseq	NM_006712
Protein Refseq	NP_006703
MIM	606965
UniProt ID	Q14296
Chromosome Location	7q35
Function	ATP binding; Fas-activated serine/threonine kinase activity; nucleotide binding;

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protein binding; protein kinase activity; protein serine/threonine kinase activity;
transferase activity;

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