

## Active Recombinant Human FASTK, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human FASTK was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	Full length
<b>Description</b>	<p>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.</p>
<b>Form</b>	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.
<b>Bio-activity</b>	1.0 nmol/min/mg
<b>Molecular Mass</b>	~84 kDa

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<b>Purity</b>	>70%
<b>Applications</b>	Kinase Assay, Western Blot
<b>Storage</b>	Store at $-70^{\circ}\text{C}$ . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
<b>Concentration</b>	0.1 $\mu\text{g}/\mu\text{l}$

## GENE INFORMATION

<b>Gene Name</b>	FASTK Fas-activated serine/threonine kinase [ Homo sapiens ]
<b>Official Symbol</b>	FASTK
<b>Synonyms</b>	FASTK; Fas-activated serine/threonine kinase; fas-activated serine/threonine kinase; FAST; FAST kinase;
<b>Gene ID</b>	10922
<b>mRNA Refseq</b>	NM_006712
<b>Protein Refseq</b>	NP_006703
<b>MIM</b>	606965
<b>UniProt ID</b>	Q14296
<b>Chromosome Location</b>	7q35
<b>Function</b>	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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