

Recombinant Human FASTK, GST-tagged

Cat. No. FASTK-801H **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
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.
Predicted MolecularMass	~84 kDa
Formulation	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.
SpecificActivity	1.0 nmol/min/mg

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	WB
Purity	>70%
Concentration	0.05 µg/µl
Stability& Storage	Store product at –70°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.
Official Symbol	FASTK

GENE INFORMATION

Gene Name	FASTK Fas-activated serine/threonine kinase [Homo sapiens]
Synonyms	FASTK; Fas-activated serine/threonine kinase; FAST; fas-activated serine/threonine kinase; FAST kinase; EC 2.7.11.8; Fas activated serine threonine kinase; FASTK_HUMAN; FLJ13079
Gene ID	10922
mRNA Refseq	NM_006712
Protein Refseq	NM_006712
MIM	606965
UniProt ID	Q14296
Chromosome	7q35

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Location**Function**

ATP binding; Fas-activated serine/threonine kinase activity; protein binding; protein serine/threonine kinase activity

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