

Active Recombinant Human CIT, GST-tagged

Cat. No. CIT-827H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human STK21 (CIT) (1-449) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1-449
Description	STK21 is a serine/threonine-protein kinase that functions in cell division and also to promote efficient cytokinesis. STK21 is a novel molecular mechanism for a subset of human malformation syndromes of the central nervous system. STK21 is also associated with bipolar disorder and risk for schizophrenia. STK21 is a novel partner for the GTP-bound forms of rho and rac.
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	5 nmol/min/mg
Molecular Mass	~74 kDa
Purity	>70%
Applications	Kinase Assay, Western Blot

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Stability	1yr at –70°C from date of shipment
Storage	Store product at –70oC. 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.
Concentration	0.1ug/ul
GENE INFORMATION	
Gene Name	CIT citron (rho-interacting, serine/threonine kinase 21) [Homo sapiens]
Official Symbol	CIT
Synonyms	CIT; citron (rho-interacting, serine/threonine kinase 21); citron Rho-interacting kinase; CRIK; KIAA0949; STK21; serine/threonine-protein kinase 21;
Gene ID	11113
mRNA Refseq	NM_001206999
Protein Refseq	NP_001193928
MIM	605629
UniProt ID	O14578
Chromosome Location	12q24.23
Pathway	G13 Signaling Pathway, organism-specific biosystem;

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Function

ATP binding; SH3 domain binding; metal ion binding; nucleotide binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; small GTPase regulator activity;

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