

Active Recombinant Human CIT Protein, GST-tagged

Cat. No. CIT-1383H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CIT (NP_009105.1, 1 a.a. - 449 a.a.) partial recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
ProteinLength	1-449 a.a.
Description	This gene encodes a serine/threonine-protein kinase that functions in cell division. Together with the kinesin KIF14, this protein localizes to the central spindle and midbody, and functions to promote efficient cytokinesis. This protein is involved in central nervous system development. Polymorphisms in this gene are associated with bipolar disorder and risk for schizophrenia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]
Form	Liquid
Bio-activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: Histone H3 peptide. ATP: 100 uM.
Molecular Mass	77 kDa

 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

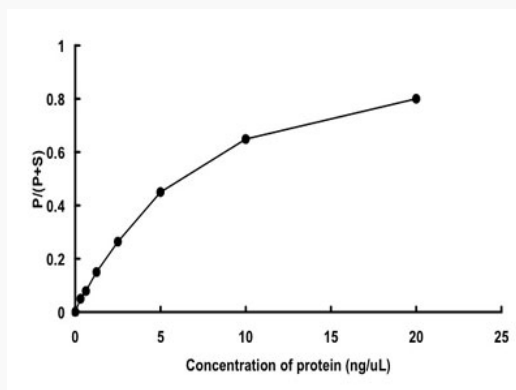
Purity	98 % by SDS-PAGE/CBB staining
Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
GENE INFORMATION	
Gene Name	CIT citron (rho-interacting, 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

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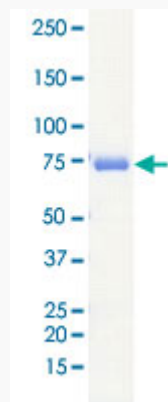
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Result of activity analysis



Quality Control Testing:



Loading 1 µg protein in SDS-PAGE

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