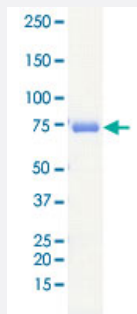


Bioactive

CIT (Human) Recombinant Protein

Catalog # P5530 Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

□

Specification

Product Description	Human CIT (NP_009105.1, 1 a.a. - 449 a.a.) partial recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	77
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	98 % by SDS-PAGE/CBB staining

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.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — CIT

Entrez GeneID	11113
Protein Accession#	NP_009105.1
Gene Name	CIT
Gene Alias	CR1K, KIAA0949, STK21
Gene Description	citron (rho-interacting, serine/threonine kinase 21)
Omim ID	605629
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTHUMP00000166060 citron rho-interacting, serine/threonine kinase 21

Publication Reference

- [lncRNA Directs Cooperative Epigenetic Regulation Downstream of Chemokine Signals.](#)

Xing Z, Lin A, Li C, Liang K, Wang S, Liu Y, Park PK, Qin L, Wei Y, Hawke DH, Hung MC, Lin C, Yang L.

Cell 2014 Nov; 159(5):1110.

Application: Array, Human, Breast cancer cells

Disease

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)