

Bioactive

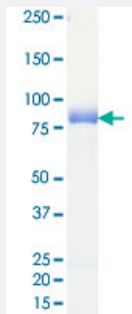
Full-Length

STK39 (Human) Recombinant Protein

Catalog # P5645

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human STK39 (NP_037365.2 NP_061852.1, 1 a.a. - 545; 1 a.a. - 491 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	86
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	95 % by SDS-PAGE/CBB staining

Activity	The activity was determined by ELISA. The enzyme was incubated with biotinylated peptide in strept avidin-coated ELISA plate. Phosphorylation was detected by HRP-labeled anti-phospho antibody. S ubstrate: CATCHtide. 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 (0.05% Brij35, 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 — STK39

Entrez GeneID	27347
Protein Accession#	NP_037365.2
Gene Name	STK39
Gene Alias	DCHT, DKFZp686K05124, PASK, SPAK
Gene Description	serine threonine kinase 39 (STE20/SPS1 homolog, yeast)
Omim ID	607648
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a serine/threonine kinase that is thought to function in the cellular stress response pathway. The kinase is activated in response to hypotonic stress, leading to phosphorylation of several cation-chloride-coupled cotransporters. The catalytically active kinase specifically activates the p38 MAP kinase pathway, and its interaction with p38 decreases upon cellular stress, suggesting that this kinase may serve as an intermediate in the response to cellular stress. [provided by RefSeq]
Other Designations	Ste20-like protein kinase proline-alanine-rich STE20-related kinase small intestine SPAK-like kinase

Disease

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