Recombinant Human STE20-like Kinase (Yeast), GST-tagged, Active

Cat. No. SLK-432H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human SLK was expressed by*baculovirus*in*Sf9 insect cells*using an N-terminal GST tag. MW = 180 kDa.
Species	Human
Source	Sf9 Cells
Description	SLK or LOSK is a Ste20-like protein kinase that associates with microtubule and centrosome. Inhibition of SLK activity by dominant-negative mutant or RNAi leads to unfocused microtubule arrangement indicating that SLK is needed for microtubule organization and for the proper localization of Golgi complex. Expression of v-Src can down-regulate SLK activity through the involvement of CK2 which can directly phosphorylate and inhibit SLK activity whereas inhibition of CK2 in v-Src-transformed cells results in normal SLK activity. CK2 and SLK can be co-localized in fibroblasts spreading on fibronectin-coated substrates.
Sequence	Full length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70℃. 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.

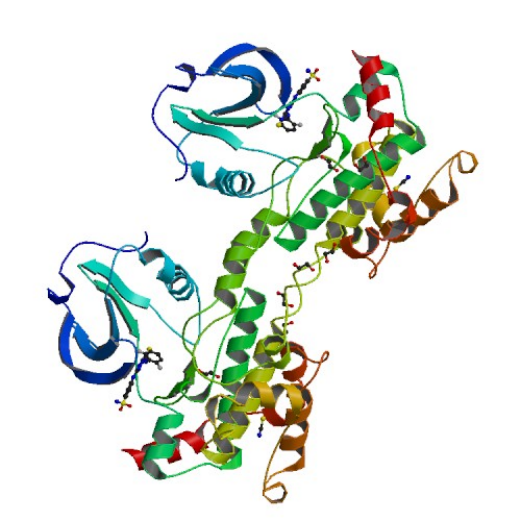
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GENE INFORMATION

Gene Name	SLK STE20-like kinase (yeast) [Homo sapiens]
Synonyms	SLK; STE20-like kinase (yeast); LOSK; STK2; se20-9; KIAA0204; MGC133067; bA16H23.1; serine/threonine kinase 2; Long Ste20-like Kinase; CTCL tumor antigen se20-9; Ste20-related serine/threonine kinase; SNF1 sucrose nonfermenting like kinase; SNF1 (sucrose nonfermenting, yeast, homolog)-like kinase, SNF1 sucrose nonfermenting like kinase; EC 2.7.11.1; OTTHUMP00000020426; OTTHUMP00000059183; Hslk; STE20-like kinase; STE20-related kinase; STE20-related serine/threonine-protein kinase; Serine/threonine-protein kinase 2; Ste20-related serine/threonine kinase; serine/threonine kinase 2
Gene ID	9748
mRNA Refseq	NM_014720
Protein Refseq	NP_055535
UniProt ID	Q9H2G2
Chromosome Location	10q24.33
Function	ATP binding; DNA binding; nuclease activity; nucleotide binding; protein serine/threonine kinase activity; transferase activity

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