

Recombinant Human STRADA cell lysate

Cat. No. STRADA-1041HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The protein encoded by this gene contains a STE20-like kinase domain, but lacks several residues that are critical for catalytic activity, so it is termed a pseudokinase. The protein forms a heterotrimeric complex with serine/threonine kinase 11 (STK11, also known as LKB1) and the scaffolding protein calcium binding protein 39 (CAB39, also known as MO25). The protein activates STK11 leading to the phosphorylation of both proteins and excluding STK11 from the nucleus. The protein is necessary for STK11-induced G1 cell cycle arrest. A mutation in this gene has been shown to result in polyhydramnios, megalencephaly, and symptomatic epilepsy (PMSE) syndrome. Multiple transcript variants encoding different isoforms have been found for this gene. Additional transcript variants have been described but their full-length nature is not known.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

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Gene Name	STRADA STE20-related kinase adaptor alpha [Homo sapiens]
Official Symbol	STRADA
Synonyms	STRADA; STE20-related kinase adaptor alpha; STE20-related kinase adapter protein alpha; LYK5; NY BR 96; STE20 like pseudokinase; Stlk; STRAD; STRAD alpha; protein kinase LYK5; STE20-like pseudokinase; serologically defined breast cancer antigen NY-BR-96; PMSE; NY-BR-96; FLJ90524;
Gene ID	92335
mRNA Refseq	NM_001003786
Protein Refseq	NP_001003786
MIM	608626
UniProt ID	Q7RTN6
Chromosome Location	17q23.3
Pathway	Energy dependent regulation of mTOR by LKB1-AMPK, organism-specific biosystem; IRS-mediated signalling, organism-specific biosystem; IRS-related events, organism-specific biosystem; Insulin receptor signalling cascade, organism-specific biosystem; LKB1 signaling events, organism-specific biosystem; PI3K Cascade, organism-specific biosystem; PKB-mediated events, organism-specific biosystem;
Function	ATP binding; kinase binding; nucleotide binding; protein binding; protein kinase activator activity; NOT protein kinase activity; contributes_to protein serine/threonine kinase activity; protein serine/threonine kinase activity; protein serine/threonine

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kinase activity; transferase activity, transferring phosphorus-containing groups;

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