

Recombinant Human STRADA, His-tagged

Cat. No. STRADA-229H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	STRADA, 1-314aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-314aa
Description	STE20-related kinase adapter protein alpha isoform 5, also known as STRADA, is a member of STE-20 like kinase family are known to stimulate MAPK pathways by directly activating MAPKKK. It functions as an upstream activator of LKB1 and also directs the sub-cellular localization of LKB1 by anchoring it in the cytoplasm. STRADA-LKB1 interaction results in phosphorylation of STRADA and enhanced autophosphorylation of LKB1. Recombinant human STRADA protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	37 kDa (337aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSM SFLVSK PERIRTNDAS SESIASFSKQ EVMSSFLPEG GCYELLTVIG KGFEDLMTVN LARYKPTGEY VTVRRINLEA CSNEMVTFLQ GELHVS KL FN HPNIVPYRAT FIADNELWVV TSFMAYGSAK DLICTHFMDG MNELAIAYIL QGV LKALDYI HHMGYVHR SV KASHILISVD GKVYLSGLRS NLSMISHGQR QRVVHDFPKY SVKVL PWLSP EVLQQNLQGY

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DAKSDIYSVG ITACELANGH VPFKDMPATQ MLLEKLNGTV PCLLDTSTIP
AEELTMSPSR SVANSGLSDS LTTSTPRPSN GPVPAPS

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

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

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

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