

Recombinant Human STRADA Protein, GST-tagged

Cat. No. STRADA-4560H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LYK5 full-length ORF (NP_699166.2, 1 a.a. - 348 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	65 kDa
AA Sequence	MSFLTNDASSESIASFQEVMSFLPEGGCYELLTVIGKGFEDLMTVNLARYKPTG EYVTVRRINLEACSNEMVTFLQGELHVSKLFNHPNIVPYRATFIADNELWVVTSFMAY GSAKDLICTHFMDGMNELAIAYILQGVKALDYIHHMGYVHRSVKASHILISVDGKVYL

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SGLRSNLISMISHGQRQRVVHDFPKYSVKVLPWLSPEVLQQNLQGYDAKSDIYSVGI
TACELANGHVPFKDMPATQMLLEKLNGTVPCLLDTSTIPAEELTMSPSRSVANSGLS
DSLTTSTPRPSNGDSPSHPYHRTFSPHFHHFVEQCLQRNPDARYPCWPGPGLRES
RGCSGG

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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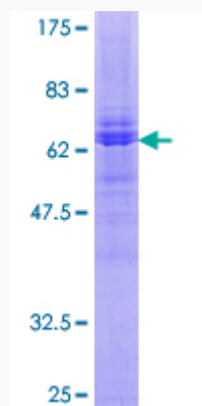
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Protein Refseq NP_001003786

MIM 608626

UniProt ID Q7RTN6

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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