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Product datasheet for AR51542PU-N

STRAD alpha / LYK5 (1-314, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	STRAD alpha / LYK5 (1-314, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSFLVSK PERIRTNDAS SESIASFSKQ EVMSSFLPEG GCYELLTVIG KGFEDLMTVN LARYKPTGEY VTVRRINLEA CSNEMVTFLQ GELHVSKLFN HPNIVPYRAT FIADNELWVV TSFMAYGSAK DLICTHFMDG MNELAIAYIL QGVLKALDYI HHMGYVHRSV KASHILISVD GKVYLSGLRS NLSMISHGQR QRVVHDFPKY SVKVLPWLSP EVLQQNLQGY DAKSDIYSVG ITACELANGH VPFKDMPATQ MLLEKLNGTV PCLLDTSTIP AEELTMSPSR SVANSGLSDS LTTSTPRPSN GPVPAPS
Tag:	His-tag
Predicted MW:	37 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human STRADA protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001003786
Locus ID:	92335
UniProt ID:	Q7RTN6, Q86YC8
Cytogenetics:	17q23.3
Synonyms:	LYK5; NY-BR-96; PMSE; Stlk; STRAD; STRAD alpha

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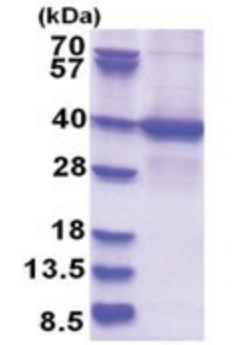
Summary: The protein encoded by this gene contains a STE20-like kinase domain, but lacks several residues that are critical for catalytic activity, so it is termed a 'pseudokinase'. The protein forms a heterotrimeric complex with serine/threonine kinase 11 (STK11, also known as LKB1) and the scaffolding 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, Sep 2009]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: mTOR signaling pathway

Product images:



15% SDS-PAGE (3ug)