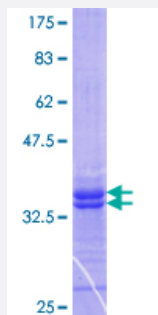


LYK5 (Human) Recombinant Protein (Q01)

Catalog # H00092335-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human LYK5 partial ORF (NP_699166.2, 251 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LLEKLNGTVPCLLDTSTIPAEELTMSPSRSVANSGLSDSLTTSTPRPSNGDSPSHPYHRTFSPHFH HFVEQCLQRNPDARYPCWPGPLRESRGCS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.3
Interspecies Antigen Sequence	Mouse (89)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — STRADA

Entrez GeneID [92335](#)

GeneBank Accession# [NM_153335](#)

Protein Accession# [NP_699166.2](#)

Gene Name STRADA

Gene Alias FLJ90524, LYK5, NY-BR-96, PMSE, STRAD, Stlk

Gene Description STE20-related kinase adaptor alpha

Omim ID [608626](#) [611087](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations STE20-like pseudokinase|STE20-related adaptor protein|protein kinase LYK5

Pathway

- [mTOR signaling pathway](#)