Datasheet for ABIN7587555

LKB1 Protein (AA 1-435) (His tag)

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Overview

Quantity:	100 µg
Target:	LKB1 (STK11)
Protein Characteristics:	AA 1-435
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This LKB1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MDVADPQPLG LFPEGELMSV GMDTFIHRID STEVIYQPRR KRAKLIGKYL MGDLLGEGSY GKVKEVLDSE TLCRRAVKIL KKKKLRRIPN GEANVKKEIQ LLRRLRHRNV IQLVDVLYNE EKQKRPTYMV MEYCVCGMQE MLDSVPEKRF PVCQAHGYFR QLIDGLEYLH SQGIVHKDIK PGNLLLTTNG TLKISDLGVA EALHPFAVDD TCRTSQGSPA FQPPEIANGL DTFSGFKVDI WSAGVTLYNI TTGLYPFEGD NIYKLFENIG RGDFTIPCDC APPLSDLLRG MLEYEPAKRF SIRQIRQHSW FRKKHPLAEA LVPIPPSPDT KDRWRSMTVV PYLEDLHGRA EEEEDEDLFD IEDGIIYTQD FTVPGQVLEE EVGQNGQSHS LPKAVCVNGT EPQLSSKVKP EGRPGAANPA RKVCSSNKIR RLSAC
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity:	> 90 %

Target Details

Target:	LKB1 (STK11)
Alternative Name:	Serine/threonine-protein kinase STK11 (Stk11) (STK11 Products)
Background:	Recommended name: Serine/threonine-protein kinase STK11. EC= 2.7.11.1. Alternative name(s): Liver kinase B1 homolog. Short name= LKB1
UniProt:	D4AE59
Pathways:	AMPK Signaling, Carbohydrate Homeostasis, Regulation of Carbohydrate Metabolic Process, Warburg Effect

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Handling

Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.