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Datasheet for ABIN7317065
STK10-A Protein (His tag)

1 Image

Overview

Quantity:	50 µg
Target:	STK10-A
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This STK10-A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human STK10/LOK Protein (His Tag)(Active)
Sequence:	Arg 18-Glu 317
Characteristics:	A DNA sequence encoding the human STK10 (NP_005981.3) (Arg 18-Glu 317) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Biological Activity Comment:	The specific activity was determined to be 1353 nmol/min/mg using synthetic AXLTide peptide (KKSREGDYMTMQIG) as substrate.

Target Details

Target:	STK10-A
Alternative Name:	STK10/LOK (STK10-A Products)

Target Details

Background: Background: Serine / threonine-protein kinase 10, also known as Lymphocyte-oriented kinase, STK10 and LOK, which belongs to the protein kinase superfamily, STE Ser / Thr protein kinase family and STE20 subfamily. Protein kinases constitute a large superfamily of enzymes with key regulatory functions in nearly all signal transmission processes of eukaryotic cells. The Ste20 family of serine/threonine kinases plays an important role in numerous cellular functions such as growth, apoptosis, and morphogenesis. STK10 is similar to several known polo-like kinase kinases. It can associate with and phosphorylate polo-like kinase 1, and overexpression of a kinase-dead version of the protein interferes with normal cell cycle progression. STK10 can also negatively regulate interleukin 2 expression in T-cells via the mitogen activated protein kinase kinase 1 pathway. Stk10 can associate with Plk1 in cells and furthermore can phosphorylate Plk1. It can also act on substrates such as myelin basic protein and histone 2A on serine and threonine residues.

Synonym: LOK;PRO2729

Molecular Weight: 36 kDa

NCBI Accession: [NP_005981](#)

Application Details

Restrictions: For Research Use only

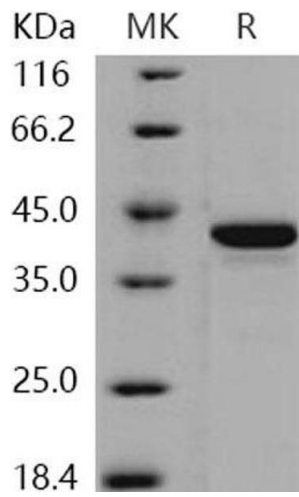
Handling

Format: Frozen, Liquid

Buffer: Supplied as sterile 20 mM Tris, 500 mM NaCl, pH 8.0

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.