



[Go to Product page](#)

Datasheet for ABIN7197936

STK40 Protein (GST tag,His tag)

1 Image

Overview

Quantity:	50 µg
Target:	STK40
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STK40 protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Human STK40 Protein (His & GST Tag)
Sequence:	Met 1-Lys 435
Characteristics:	A DNA sequence encoding the human STK40 (NP_114406) (Met1-Lys435) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	STK40
Alternative Name:	STK40 (STK40 Products)
Background:	Background: STK40 localized to both the cytoplasm and the nucleus. It is ubiquitously expressed. Mechanistically, Stk40 interacts with Rcn2, which also activates Erk1/2 to induce ExEn specification in mouse ESCs. Stk40 is able to activate the Erk/MAPK pathway and induce

Target Details

extraembryonic-endoderm (ExEn) differentiation in mouse ESCs. Interestingly, cells overexpressing Stk40 exclusively contribute to the ExEn layer of chimeric embryos when injected into host blastocysts. In contrast, deletion of Stk40 in ESCs markedly reduces ExEn differentiation in vitro. STK40 has a central serine/threonine protein kinase domain and is homologous to TRB-3, a protein that regulates activation of MAP kinases and inhibits NFκB-mediated gene transcription. Similarly, overexpression of STK40 inhibits NFκB activation triggered by TNF and also inhibits p53-mediated transcription. There are four named isoforms of STK40 that are produced as a result of alternative splicing.

Synonym: Sgk495;SHIK

Molecular Weight: 76.8 kDa

NCBI Accession: [NP_114406](#)

Application Details

Restrictions: For Research Use only

Handling

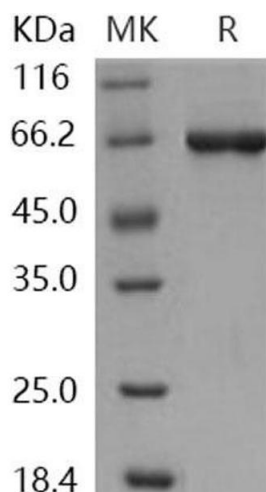
Format: Frozen, Liquid

Buffer: Supplied as sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, 3 mM DTT, 0.5M Urea, 0.5 mM GSH, pH 8.0

Storage: -20 °C

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

Images



Western Blotting

Image 1.