

**Datasheet for 009-001-T61S****STK16 protein-GST fusion****Overview**

<b>Description:</b>	STK16 recombinant protein-GST fusion protein - 009-001-T61S
<b>Item No.:</b>	009-001-T61S
<b>Size:</b>	20 µg
<b>Origin:</b>	Human
<b>Expressed in:</b>	Sf9 cells

**Product Details**

<b>Background:</b>	STK16 is serine/threonine kinase 16 which constitute the catalytic subunit of a multisubunit kinase. STK16 is ubiquitously expressed at very low levels and expression of an STK16 fusion protein showed that STK16 is localized with Golgi and Golgi-derived vesicles. The overexpression of STK16 leads to disorganization of the Golgi apparatus into vesicular structures and STK16 is highly involved in the secretory pathway (1). STK16 is involved in the transforming growth factor (TGF)-beta signalling pathway (2). STK16 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cardiovascular Disease, ERK/MAPK Pathway, Neurobiology, PKA/PKC Pathway, and Ser/Thr Kinases research.
<b>Synonyms:</b>	KRCT, MPSK, TSF1, PKL12, FLJ39635, serine/threonine kinase 16
<b>Species of Origin:</b>	Human
<b>Expressed in:</b>	Sf9 cells
<b>Type:</b>	Recombinant Protein

**Target Details**

<b>Gene Name:</b>	STK16
<b>Purity/Specificity:</b>	Recombinant full-length human STK16 was expressed by baculovirus in Sf9 insect cells using an N-terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">NCBI - NM_003691</a></li></ul>

## Application Details

<b>Application Note:</b>	STK16 Protein is stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. STK16 Protein is suitable for use in Western Blot. Expect a band approximately ~58kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>WB:</b>	User Optimized

## Formulation

<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	0.1 µg/µL
<b>Buffer:</b>	See application note.

## Shipping & Handling

<b>Shipping Condition:</b>	Dry Ice
<b>Storage Condition:</b>	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Disclaimer

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