

## Recombinant Human STK16, GST-tagged

Cat. No. STK1-6-7019H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human STK16 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	Full length
<b>Description</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. STK16 is involved in the transforming growth factor (TGF)-beta signalling pathway.
<b>Form</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
<b>Molecular Mass</b>	~58 kDa
<b>Purity</b>	>95%
<b>Applications</b>	Western Blot

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Storage</b>	Store at $-70^{\circ}\text{C}$ . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
<b>Concentration</b>	0.1 $\mu\text{g}/\mu\text{l}$
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	STK16 serine/threonine kinase 16 [ Homo sapiens ]
<b>Official Symbol</b>	STK16
<b>Synonyms</b>	STK16; serine/threonine kinase 16; serine/threonine-protein kinase 16; MPSK; PKL12; hPSK; TSF-1; protein kinase PKL12; TGF-beta-stimulated factor 1; tyrosine-protein kinase STK16; protein kinase expressed in day 12 fetal liver; myristoylated and palmitoylated serine/threonine-protein kinase; KRCT; TSF1; FLJ39635; MGC16211;
<b>Gene ID</b>	8576
<b>mRNA Refseq</b>	NM_001008910
<b>Protein Refseq</b>	NP_001008910
<b>MIM</b>	604719
<b>UniProt ID</b>	O75716
<b>Chromosome Location</b>	2q35
<b>Function</b>	ATP binding; DNA binding; non-membrane spanning protein tyrosine kinase activity;

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nucleotide binding; protein binding; protein serine/threonine kinase activity;

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