

Recombinant Human STK16, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant full-length human STK16 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	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.
Form	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.
Molecular Mass	~58 kDa
Purity	>95%
Applications	Western Blot

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1 µg/µl
GENE INFORMATION	
Gene Name	STK16 serine/threonine kinase 16 [Homo sapiens]
Official Symbol	STK16
Synonyms	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;
Gene ID	8576
mRNA Refseq	NM_001008910
Protein Refseq	NP_001008910
MIM	604719
UniProt ID	O75716
Chromosome Location	2q35
Function	ATP binding; DNA binding; non-membrane spanning protein tyrosine kinase activity;

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

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

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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