

Recombinant Human STK16 Protein (I15-I305), His tagged

Cat. No. STK16-0678H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human 6His-TEV-PKL12(I15-I305 end) (H19R, W266R) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	I15-I305
Description	Membrane-associated protein kinase that phosphorylates on serine and threonine residues. In vitro substrates include DRG1, ENO1 and EIF4EBP1. Also autophosphorylates. May be involved in secretory vesicle trafficking or intracellular signaling. May have a role in regulating stromal-epithelial interactions that occur during ductal morphogenesis in the mammary gland. May be involved in TGF-beta signaling. Able to autophosphorylate on Tyr residue; it is however unclear whether it has tyrosine-protein kinase toward other proteins.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

 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 it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	STK16 serine/threonine kinase 16 [Homo sapiens (human)]
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

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