

Product datasheet for **RC200566L2V**

STK16 (NM_003691) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	STK16 (NM_003691) Human Tagged ORF Clone Lentiviral Particle
Symbol:	STK16
Synonyms:	FLJ39635; KRCT; KRCT, MPSK, TSF1, PKL12, FLJ39635; MPSK; PKL12; protein kinase expressed in day 12 fetal liver; serine/threonine kinase 16; TSF1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_003691
ORF Size:	915 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200566).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_003691.2 , NP_003682.2
RefSeq Size:	1682 bp
RefSeq ORF:	917 bp
Locus ID:	8576
Cytogenetics:	2q35
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase



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MW: 34.7 kDa

Gene Summary: 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.
[UniProtKB/Swiss-Prot Function]