

Product datasheet for **SC336324**

STK33 (NM_001289058) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK33 (NM_001289058) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336324 representing NM_001289058. Blue=Insert sequence Red=Cloning site Green=Tag(s)

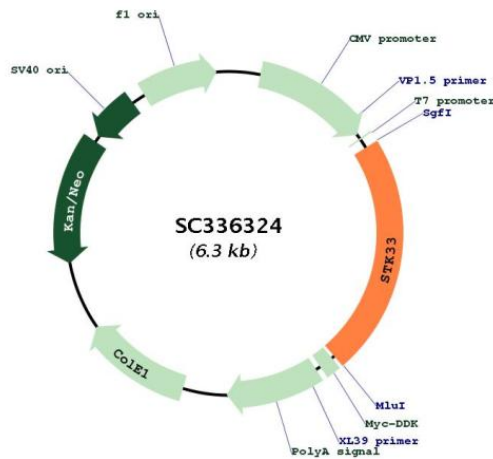
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001289058

Insert Size: 1422 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001289058.1](#)

RefSeq Size: 2350 bp

RefSeq ORF: 1422 bp

Locus ID: 65975

UniProt ID: [Q9BYT3](#)

Cytogenetics: 11p15.4

Protein Families: Druggable Genome, Protein Kinase

MW: 53.5 kDa

Gene Summary: Serine/threonine protein kinase which phosphorylates VIME. May play a specific role in the dynamic behavior of the intermediate filament cytoskeleton by phosphorylation of VIME (By similarity). Not essential for the survival of KRAS-dependent AML cell lines.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the coding region, and uses a downstream translation initiation codon, compared to variant 1. This results in a protein (isoform b) with a shorter C-terminus, compared to isoform a. Variants 2, 12, and 13 all encode the same isoform (b).