

Product datasheet for **SC330114**

STK36 (NM_001243313) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: STK36 (NM_001243313) Human Untagged Clone
Tag: Tag Free
Symbol: STK36
Synonyms: FU
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330114 representing NM_001243313.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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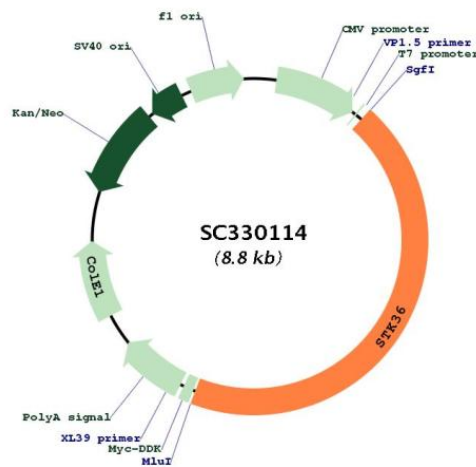


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Restriction Sites:

Sgfl-Mlul

Plasmid Map:



ACCN: NM_001243313

Insert Size: 3885 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:	<ol style="list-style-type: none">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_001243313.1
RefSeq Size:	4883 bp
RefSeq ORF:	3885 bp
Locus ID:	27148
UniProt ID:	Q9NRP7
Cytogenetics:	2q35
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Basal cell carcinoma, Hedgehog signaling pathway, Pathways in cancer
MW:	141.7 kDa
Gene Summary:	<p>This gene encodes a member of the serine/threonine kinase family of enzymes. This family member is similar to a Drosophila protein that plays a key role in the Hedgehog signaling pathway. This human protein is a positive regulator of the GLI zinc-finger transcription factors. Knockout studies of the homologous mouse gene suggest that defects in this human gene may lead to congenital hydrocephalus, possibly due to a functional defect in motile cilia. Because Hedgehog signaling is frequently activated in certain kinds of gastrointestinal cancers, it has been suggested that this gene is a target for the treatment of these cancers. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (2, also known as L-FUdelta24) that is shorter than isoform 1.</p>