

Product datasheet for **SC101100**

STK36 (NM_015690) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK36 (NM_015690) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK36
Synonyms:	FU
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015690, the custom clone sequence may differ by one or more nucleotides

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GAGTAAAATTGCGTCCCAGATGTTGTGGAAGTGTCCCTGGATCTATAGCTCTTCACCGTCTCTACTTTCT
TCCTTCTAAGAGATCCTGAAACCTCTGTCATGGAAAAGTACCACGTGTTGGAGATGATTGGAGAAGGCTC
TTTTGGGAGGGTGTACAAGGGTGAAGAAAATACAGTGCTCAGGTCGTGGCCCTGAAGTTCATCCAAAA
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CAGTTGGTGTGAGCCCTGTACTATCTGCATTCCCACCGCATCCTACACCGAGATATGAAGCCTCAGAACA
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GGACCTTCTTACAGGACCTGATGGCTGTGATTCAGGCCTACTTTGCCTGTACCTTCAATCTGGAGAGGAG
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GTACTGGTGTCCCTGGGTGCCAGTGAGAAACTATCCTTGTCTCTCTGGGGAATCAGTCACTGCCACACA
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GTGATTCCAGATTCTGCGGTCCAGCCTCAACTTTGGTGGCAGCTCTTCTTATTCTACTACACAAGC
CGCCAACTCAACTGAGAGCTAAAGAGACTAGAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015690 unedited
 NNTTGTGCAATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGGGCTGA
 TGGCCCTGAGCAGTTCGGATGTGTCCCAGGAAGTGCCCATGTGTGGTCCGCCGTCCATTC
 CACACCTCTGAGCGCCTTTGTCTCTGAACTTCTACCACTTCTAGCGAGTAAAATTGCG
 TCCCAGATGTTGTGGAAGTGTCCCTGGATCTATAGCTTTCACCGTCTCTACTTTCTTCC
 TTCTAAGAGATCCTGAAACCTCTGTCTATGAAAAGTACCACGTGTTGGAGATGATTGGAG
 AAGGCTCTTTTGGGAGGGTGTACAAGGGTCAAGAAAATACAGTGTCTCAGGTCGTGGCC
 TGAAGTTCATCCAAAATTGGGGCGCTCAGAGAAGGAGCTGAGGAATTTGCAACGAGAGA
 TTGAAATAATGCGGGTCTGCGGCATCCCAACATTGTGCATATGCTTGACAGCTTTGAAA
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 CCCTGTACTATCTGCATTCACCGCATCTACACCGAGATATGAAGCCTCAGAATCC
 TCCTCGCAAGGGTGGTGGCATCAAGCTCTGTGACTTTGGATTTGCCCGGGCTATGAGC
 ACCAATAAATGGGTGCTGACATCCATCAAAGGCACACCACTNCTATATGTCTCCAGAGC
 TGGGTGGAGGAGCACCATACGACCACACAGCGGACCTTTGGTTCTGTTGGCTGCATAC
 TATATGAAACTGGCAGTAGGCACCCCTTCTTTCTATGCTACAGCATCTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015690 unedited
 AAAAAAACCCNNNANNNANAAAAANAAAAATTTACTTAGGCCGCGGCCGATACTANGA
 TCGATTTTTTTTTTTTTTTTTTTTTTGTGTGAACACGATACCAGCACCTCCAACACCACATAG
 AAGCTGAAAGAGGGGTTGAGCCTCTCAACCTTGTCTGGGAGCTTCAAGTATGGTGAGG
 CACAACCTTTATTTAAAAGAGTTTACAAACAGAATATTAACACACACACACATACACAC
 ACACATATACACACACACCCCAAAAAAGATACACTCTCCACGCCACCCACAGATAGGA
 ATGTTGGCTAAGGGATAATCCCTCAATAACAGGGACTGATGGCATTGATCCCCACAGCCT
 AGAGCTGAGACAGGCTCTGTCTTCACTGTCTGGGCCAGCAGCTAAGGCAAAAA
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 CCTAAGGTCCGTGAGGCAGTCCCTAGAGTTAAAGGCACATTATTGGAGAAAAGGCCCT
 GGATGTAGAGAAGAAAGGACTTCTCTGGCACCAACAGCAATAAAATTTACTGGTTGAA
 AACATCCTGCATCTGGGAGAACGAAGCTNTATATATAAATCTCTTCTAGTTTCTTGT
 TCTCAGNTGAGTTGGCAGCTTATCTTTTTCTAGGCTCTTTAGCTCTCAGTTGAGTTGGC
 GGCTCTGGTAATAAAAAATAGAAAGAGCTGGCAACCAAATTGTGAGCCTGTACCGCAGAAT
 CTGGGATACATGCTATGGGCTGGCCTTAAGAGGTGAATGAAGTCTCTGCACCGTTTGGCA
 AAGCCAGCCTACGAATCGTGGGTTGGAGAGACTGATCCCAAAAAAGCAGGATAGTTCT
 TCATGTCCCAAGGACACACACCCTGTGGATGCCAGCTTCTGTTCAAC

Restriction Sites:

NotI-NotI

ACCN:

NM_015690

Insert Size:

4700 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_015690.2 , NP_056505.1
RefSeq Size:	4887 bp
RefSeq ORF:	3948 bp
Locus ID:	27148
UniProt ID:	Q9NRP7
Cytogenetics:	2q35
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Basal cell carcinoma, Hedgehog signaling pathway, Pathways in cancer
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 (1) represents the longer transcript and encodes the longer isoform (1, also known as long form or L-FU).</p>