

## Product datasheet for **SC126456**

### CASKIN2 (NM\_020753) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CASKIN2 (NM_020753) Human Untagged Clone
Tag:	Tag Free
Symbol:	CASKIN2
Synonyms:	ANKS5B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126456 sequence for NM_020753 edited (data generated by NextGen Sequencing)

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ATGGGTCGTGAACAGGACCTGATCCTCGCCGTCAGAATGGAGATGTGACCGGTGTGCAGAACTGGTGG
CGAAGGTCAAGGCCACAAAGACAAAGCTCCTGGGCTCCACAAAGAGGCTCAACGTGAACCTACCAGGATGC
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 CACCAAGGAGCAAGAGGGCACCCCCAGCGCTCCACCAAGCACATTCTGGATGACATCAGCACCATGTT  
 CAGCCCTGGCTGACAGCTGGACGCCATGCTGGACTGA

Clone variation with respect to NM\_020753.4  
 2532:c=>t 2672:g=>a

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_020753 unedited  
 ACGTTGNATTTGTATACGACTTATATAGGCGCCGCGNATTCACATCTGGTACCGTCC  
 GGAATTCGCGGATATCGTCGACCCACGCTCCGGGAGGGGCGGATTTCTGCGGGAG  
 GCGCCGAGCCGGCCTTGGAAAAGGAGAAGGAGAAAGGGGGCAGGGGGAGTGGGAGCA  
 CCGTCTGAGTGCCAGGGACCGAGCAGGGCCAGCCGGACCCCGGGGGCCGGGAGAG  
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 TCAAGGCCACNNAAGACAAGCTCCTGGGCTCCACAAGAGGCTCAACGTGAACTACCAGG  
 ATGCTGATGGATTCTCTGCCNTCACACGCTGCTTTGGGGCAGCCTGGAGCTCATAGCC  
 TTGCTGCTAGAGGCTCAAGCCACTGTTGACATCAAGGACAGCAATGGCATGCGCCCGCTG  
 CACTACGAGCCTGGCAAGCCN

**Restriction Sites:**

Please inquire

<b>ACCN:</b>	NM_020753
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_020753.2</a></u> , <u><a href="#">NP_065804.1</a></u>
<b>RefSeq Size:</b>	5032 bp
<b>RefSeq ORF:</b>	3609 bp
<b>Locus ID:</b>	57513
<b>UniProt ID:</b>	<u><a href="#">Q8WXE0</a></u>
<b>Cytogenetics:</b>	17q25.1
<b>Gene Summary:</b>	<p>This gene encodes a large protein that contains six ankyrin repeats, as well as a Src homology 3 (SH3) domain and two sterile alpha motif (SAM) domains, which may be involved in protein-protein interactions. The C-terminal portion of this protein is proline-rich and contains a conserved region. A related protein interacts with calcium/calmodulin-dependent serine protein kinase (CASK). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).</p>