

## Product datasheet for **SC324098**

### **SURF5 (MED22) (NM\_181491) Human Untagged Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** SURF5 (MED22) (NM\_181491) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SURF5  
**Synonyms:** MED24; SRB6; surf-5; SURF5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_181491.1  
CGGGGCCGAGAGGCTGCGGCGGCTGACTAGGTTTTCGACCGCGCGCGGGGAAGAG  
AGACTGCGGCGGGAGGGCCAGGCCGTGGGAGAGACGCGGAAAGTGCGGTTCGAGAGGC  
ACTTGACCACCCGCCCTAGGCCGACCCGCGGACGCGGCGTCTGGTGTGCGGGCCTGG  
GGCGGGTCCCAGGTCTCCCCGCTGCGCTGCTTGAGGCTCGGCCATGGCCAGCAGAGAGC  
CCTGCCCCAGAGCAAGGAGACGCTGCTGCAGTCTACAACAAGCGGCTGAAGGACGACAT  
TAAGTCCATCATGGACAACCTCACCGAGATCATCAAGACCGCAAGATTGAGGACGAGAC  
GCAGGTGTACGGGCCACTCAGGGTGAACAGGACAATTACGAGATGCATGTGCGAGCCGC  
CAACATCGTCCGAGCCGCGAGTCCCTGATGAAGCTGGTGTCCGACCTCAAGCAGTTCCT  
GATCCTCAATGACTTCCCCTCCGTGAACGAGGCCATTGACCAGCGCAACCAGCAGCTGCG  
CACACTGCAGGAGGAGTGCAGCCGAAGCTCATCAGCTGCGAGACGAGATCTCCATTGA  
CCTCTACGAGCTGGAGGAGGAGTATACTCGTCCAGGTATAAATAGCGCTGGACTCCCCA  
TGCAAGCGGGAGCCTGCCTACCTGGGCCTGGCCAGCAGGCAGGGCTGCCTTCTGCTTTT  
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CCAGAGCGTTTGACCGACAGACAATTCACATCCATATGCCAGGGCCCTGGGCCTTTCCCA  
CAGTGCAATGTGATGAAAACACAGGACTCACGCCAGTCGGATAGGCCGAGTCTGGAGAA  
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AAATCAAGATTCAGTCCAGCAGATGCAGAGTCCATGTCCATCTTGTGCCTTCTCCTGGAC  
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GAGCCACAGATATCCAGAGCCAGCATGACCTGGGGCTTGGTTTCCCTGCCCTGGGCTCAG
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CCGAGCCTGTTGTGAGAGTTGGGAGGGCTCTGAGCAGTGTGGGCAGGCCGGGTCTCCC
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ATGTCTGTGCCATGGGCTGAGTGCCACGACAGGCCCGTGTGACAGCTGCTGCCACGCAT
GTGGAAGCTAGGTGGGACTATTCTAATTCTGCCGTTGTAATGAGACTTGATTAACA
CGCCACTTTTTTGCAAAAAAAAAAAAAAAAAA
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**Restriction Sites:**

ECORI-NOT

**ACCN:**

NM\_181491

**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).

**OTI Annotation:**

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<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>NM_181491.1, NP_852468.1</u>
<b>RefSeq Size:</b>	3887 bp
<b>RefSeq ORF:</b>	423 bp
<b>Locus ID:</b>	6837
<b>UniProt ID:</b>	<u>Q15528</u>
<b>Cytogenetics:</b>	9q34.2
<b>Gene Summary:</b>	<p>This gene encodes a protein component of the mediator complex, which functions in the regulation of transcription by bridging interactions between gene-specific regulatory factors, RNA polymerase II, and general transcription factors. Alternatively spliced transcript variants encoding different isoforms have been observed. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (c) differs in the 3' UTR and its transcription extends past a splice site used in variant b, resulting in a distinct 3' coding region. The encoded isoform (c) is shorter and has a distinct C-terminus, compared to isoform b.</p>