

## Product datasheet for **SC216121**

### **INSIG2 (NM\_016133) Human 3' UTR Clone**

#### **Product data:**

|               |                                       |
|---------------|---------------------------------------|
| Product Type: | 3' UTR Clones                         |
| Product Name: | INSIG2 (NM_016133) Human 3' UTR Clone |
| Vector:       | pMirTarget (PS100062)                 |
| Symbol:       | INSIG2                                |
| Synonyms:     | INSIG-2                               |
| ACCN:         | NM_016133                             |
| Insert Size:  | 2000 bp                               |



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**Insert Sequence:** >SC216121 3'UTR clone of NM\_016133  
 The sequence shown below is from the reference sequence of NM\_016133. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTTATCGCAGAAAAATCTCATCAGGAATGAAGAAGGCCAAAAATATCTTTTGTACAGAAAAGCAAGATG
AAAAGGATGTGAAATGGTAGATATACCAACAAAATTCAGACTGTAAAATTGCCAGGATGCAGTTTTCC
CCTTGATTGGCGTGTGTATATATGGATAAATATATATACACACACACATATTAAGCAATCTGTG
ATTGCTTCATCTGTAATCAGTTGTAACCTTTACATATTTGACTTAAATAACTGTAAGATATATATGT
ACTACATTAAGGAGTGTGATTAATAGATGAAATTTTTAAATTAATTTTTTAAAACATGCCATACATTG
TATCACAATGTTAATGTGCCAAGATATTGTTCTGTCATGCAGAGTATAAGAATGCTTTGAACAATTTG
TAGACTTAGTGAATAAAATAAGAGGAAAGCCAAAAACAACAAAAAGCATATGGGGAGCTGGTA
TTTTCTCTTAGCTTACTGTTGTCCTTTTTATTTTTCTAATCACAGCAGTATGAGTTATGAGTGCCT
AATTTGTGGTTAGTTTCTAATTTAATGTTGTTTCATAGAGTTTGAGTGTGTTTGATACAGGGTGAAAT
GAACTTCTGGTTTCAAACCTGCGTTACTGGAGACAGCCAAAGAGTAATTTTCTGTTTTGACAGGTTTT
ACTGGAAGTATATGTGATGAGCAGAAGAGGTTATCAGCATTAAATGTTTTGTTCTAAATTTGGAACA
GTATATAAATTAAGTAAGGAACATTAGAGGATTTAATTAGAATAAATACATGTTTTGGAAATACAG
TGACCTCTTGAGTGTCAAAAAGTGCAAAGTGATATTAGCTGTCATCTGCAATACAGAATCTCATTGC
TTTTGCACATGGAGCATATAGGAACTCCAACAGATCACAATGAGGTTTCTAAATCTGTTGGGTTCTG
TCTTCTATTGGGTTCTGTGAAGCAAACCACTGTAGCTTTAGCTGGGTTCCAGTCATATGACTCGTTGGTG
GAATGCCTAGGTTTTTTCATCTTACATGCAGTCTTGGGGGTGGATGAATACATAATTTCTCATGATTTCG
TGTATCCATTAGTGAATAGTTCAAGTCTGTTAAGAGTGTATTGAGATGGCATTCTCTGCATGTTAAG
ATCTTAATGGCAACCAGCACCTCTTAAGTATGGTTTAAACATATTCTTAGCTAATTTTTTCCATTAGTT
TTTGAATTTGGTGGCAGTTGTCTGATCCACAAGGGCAAGATCTTCTGAGTACTCTGGGGTGTGAGTATG
TGTGCACACGTGTGTGTTGGAGTGAGTGAAGAAATGTGTCTGTGCATGTGGCCATGCTTTCTAGAATG
TCAAGTAGATATTTTTACACTTTGAGTTTTAAAGCAATTAATCAGACTGAGATCTGTATGCCAAAC
TTAATCTGCTTTATGTTTTCAGGCTGAAGGTGTGAAAATCCTAAGAGGATTTTCATATTGAATATGTG
TACACAATCTTAATCTGTTGGTGGAAAACATACTACTATAATTTATTATTATATCTCCAGATAATGT
TATTCATTTAGAACAAATAAGGTATATTTTTTAGAATCAACTTTGTAAGCACTATAAAATCTTTAATAA
GTTATAAGGTCTATGATGTGTTACTTTAAAAATTTGCTGTAAAAGCAACACGTATAAATATGTAATT
ATCATCTGGGTTAAGAGTCTGTTTTCTCTTTGTGGTAAAGTCTTAGAATATGGTACTGTGGATTAATC
TAATGAAATTAACATATGTGGTTGAAGTTACCAAGAAACGATGAAAAGAACTAAATATAGTTGACCCT
TGAACAACAGGAGTTAGGGGCACCACTCCCAACATAGTTGAAAATCCATGTATAACTTTTGACTCCTC
CAAACTTAACACTAATAGCCTACTCTTGATGGGAAGCCTTACCAATAAGAAACAGTTGATGAACAC
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_016133.4](#)

**Summary:** The protein encoded by this gene is highly similar to the protein product encoded by gene INSIG1. Both INSIG1 protein and this protein are endoplasmic reticulum proteins that block the processing of sterol regulatory element binding proteins (SREBPs) by binding to SREBP cleavage-activating protein (SCAP), and thus prevent SCAP from escorting SREBPs to the Golgi. [provided by RefSeq, Jul 2008]

**Locus ID:** 51141

**MW:** 77.5