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Product datasheet for SC216888

INSIG1 (NM_198336) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	INSIG1 (NM_198336) Human 3' UTR Clone
Symbol:	INSIG1
Synonyms:	CL6
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_198336
Insert Size:	1907 bp

View online »

Insert Sequence:

>SC216888 3'UTR clone of NM_198336
The sequence shown below is from the reference sequence of NM_198336. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GATTATGACAAAGATTATCTTTTTTCTTAAGTAATCTATTTAGATCGGGCTGACTGTACAAATGACTCC
TGGAAAAAACTCTTCACCTAGTCTAGAATAGGGAGGTGGAGAATGATGACTTACCCTGAAGTCTTCCCT
TGACTGCCCGCACTGGCGCCTGTCTGTGCCCTGGAGCATTCTGCCCAGGCTACGTGGGTTCAGGCAGGT
GGCAGCTTCCCAAGTATTCGATTTCATTCATGTGATTAAAACAAGTTGCCATATTTCAAAGCCTTGAAC
TAAGACTCAATTACCAACCCGCAGTTTTGTGTCAGTGCCCAAAGGAGGTAGGTTGATGGTGCTTAACAA
ACATGAAGTATGGTGTAATAGGAATAATATTTATCCAAAAGATTTTTAAAAATAGGGCTGTGTTTAAAA
AAAAAAACAAAACAAGAAAAGCAGCAGTGATTATAGAGAGGTCACACTCTAAGTGGGGTCGCGGCGTGG
CCACGCTTCACGGTCACGCTCGTCCGTCCTGCAGTGGCGTGTTTACATGGTCACACGTGTGTGTATCAC
CAGTGGGTCAACTGCTTGTCATTCCTCCCGTGGCAGTTTGTGTAGACAATCTTACTGAGCAAAAGGCAA
TGAAAAGTCTTGGTTCCCACACTGCGATATATTGGAATTTTCACCTCAGTTTATGAAGTTTATTTCGAA
ATCCATAGTCATCTAAGAATGAATACCTGTCTGCCATGTATTTCAATCTTAGTGAGCCAAAATTGTTTG
TTTGTTACTACAGAATAGAGATGACTGTTTTTTGCCACAGCCCTATGGAATTTGCAATCTGTGATTGCC
TTGTAAAAAGGAGAGTGCATATGGCACTGCATTAAACGTGTGGTGTTTCTAGTCAATGATATTGGTGAG
CACAATGTATTCATTTAATGGCATAGACCATACCAGACCTAATTTGCAAGTATTGGGTCTTAAACTTCA
AGTGCAATGTATATGAAAACCAATCTGAGCCTTGTATCTCTTAAATATTTATTTTTTTTAACGTGTGAG
ATGTTCGAGAGAAGGTTCTCCATTCATTTCAGTGCTGCCTGGAGGAAACTCGGCAATGATTTCTTTCAG
TTGTGAAGTTCCTTTCGTGTTACACCCTCCACTGAACCCTCAACCTTCGAAATACTCCAGTTTTGTGGG
TTTGGTCATTTTTACTTATAAATTTACCTTTTTGTATTTTGCAATTTACATGTGTTTGGTTTGTTTTAA
ATTCTGTGAAAGTGGCTTGATTAAAAGACTCCTTTTAAATGGAAGCCACCAGTCAGCAGAATGGAAGCT
TAGAGGAACTTGCCTGTGAGCGCTGGTCTTTGTGTTTGGTTTTGTGATGTAACGATCTTTGCTGGGGTT
TTTTGCTTTGTTTTGAGGGAAATGTCTTGGAGTAAATTTTAAGTTCCTGGAGTTAATTTGTTTTACAGG
AATTTTGTTTTTTAAAAAAATAGGATCATTCTGAACTTTGGAATGACCCCCTTATATATTTTCTGAAAA
TGAAAACAGTTACATGAAAAAAATTTCCAATGAAGATGTCAGCATTTTATGAAAAACCAGAAGTTATTA
GATGAAAGCAGCGAGTGAATCTTTAAAACAGACTTGATCACGCACACACAATAAGTCTTTCTCTCCGAA
ACCGGAAGTAAATCTATATCTGTTAGAAATAATGTAGCCAAAAGAATGTAAATTTGAGGATTTTTTTGC
CAATAGTTTATAGAAAATATATGAACCAAAGTGATTTGAGTTTGTAAAAATGTAAAATAGTATGAACAA
AATTTGCACTCTACCAGATTTGAACATCTAGTGAGGTTCACATTCATACTAAGTTTTCAACATTGTGTT
CTTTTTGCATTCATTTTTTACTTTTATTAAAGGTTCAAAACCAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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_198336.4

Summary: This gene encodes an endoplasmic reticulum membrane protein that regulates cholesterol metabolism, lipogenesis, and glucose homeostasis. The encoded protein has six transmembrane helices which contain an effector protein binding site. It binds the sterol-sensing domains of sterol regulatory element-binding protein (SREBP) cleavage-activating protein (SCAP) and 3-hydroxy-3-methylglutaryl-coenzyme A reductase (HMG-CoA reductase), and is essential for the sterol-mediated trafficking of these two proteins. It promotes the endoplasmic reticulum retention of SCAP and the ubiquitin-mediated degradation of HMG-CoA reductase. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2016]

Locus ID: 3638

MW: 74.5