

## Product datasheet for **SC323881**

### RETREG1 (NM\_019000) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RETREG1 (NM\_019000) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RETREG1  
**Synonyms:** FAM134B; JK-1; JK1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_019000.3  
 CTTCAATCAAGGAGGCAGGCGCTTTGGAAGTTTGTAAACACCGACTTTCTGAGTAAGGGA  
 GGAGCACTTTTTTCCAAAAAGGAAAGAACGTCTCTACTGGGTTTTTCTCCTGATAT  
 TCAGCATTAGAGTAGAAAAGAACTATTGTTTGGCCACATTAGCCGTGGTTAGCAGGTGC  
 TGCAGCCTTTGCCACTGTTATTATTTTTAAAGGGCAGAAATGCCTGAAGGTGAAGACTTT  
 GGACCAGGCAAAAGCTGGGAAGTTATCAATTCCAAACCAGATGAAAGACCCAGGCTCAGC  
 CACTGTATTGCAGAATCATGGATGAATTCAGCATATTTCTTCAAGAAATGTCTCTTTTT  
 AAACAGCAGAGCCCTGGCAAGTTTTGTCTCCTGGTCTGTAGTGTGTGCACATTTTTTACG  
 ATCTTGGGAAGTTACATTCCTGGGTTATACTCAGCTATCTACTGTTACTGTGTGCATTT  
 TTGTGTCCATTGTTAAATGTAATGATATTGGACAAAAATTTACAGCAAAATTAAGTCA  
 GTTCTGTGAAACTGGATTTTGGAATTGGAGAATATATTAATCAGAAGAAACGTGAGAGA  
 TCTGAAGCAGATAAAGAAAAAGTCACAAAGATGACAGTGAATTAGACTTTTCAGCTCTT  
 TGTCTAAGATTAGCCTCACGGTTGCTGCCAAAGATTATCTGTGTCTGACACAGACGTC  
 TCAGAGGTATCCTGGACTGATAATGGGACCTTCAACCTTTTCAGAAAGGATACACTCCACAG  
 ACAGACACTTCTGATGATCTTGACCCGACCCAGTGAGGAAGTTTTCTCTAGAGATCTTTCA  
 GATTTTCCATCTCTAGAAAATGGCATGGGAACAAATGATGAAGATGAATTAAGCCTTGGT  
 TTGCCCACTGAGCTCAAGAGAAAAGGAACAGTTGGACAGTGGTCACAGACCAAGCAAA  
 GAGACGCAATCAGCAGCTGGTCTCACCCCTCTCTGAACAGTGACCAAACCTTTACCTG  
 ATGAGCAACCTGGCTGGGGATGTTATCACAGCTGCAGTGCAGCTATCAAAGACCAG  
 TTAGAGGTGTGCAGCAAGCACTTTCTCAGGCTGCCCCATCCCAGAAGAGGACACAGAC  
 ACTGAAGAAGGTGATGACTTTGAACTACTTGACCAGTCAGAGCTGGATCAAATTGAGAGT  
 GAATTGGGACTTACACAAGACCAGGAAGCAGAAGCACAGCAAAATAAGAAGTCTTCAGGT  
 TTCCTTTCAAATCTGCTGGGAGGCCATTAATCTAGGAATCAGCTTGCAACAGAGCACAAA  
 AAACACCAAAAAATTTCAAACAAAAA

**Restriction Sites:** ECoRI-NOT



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<b>ACCN:</b>	NM_019000
<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>OTI Annotation:</b>	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><a href="#">NM_019000.3</a></u> , <u><a href="#">NP_061873.2</a></u>
<b>RefSeq Size:</b>	3108 bp
<b>RefSeq ORF:</b>	1071 bp
<b>Locus ID:</b>	54463
<b>UniProt ID:</b>	<u><a href="#">Q9H6L5</a></u>
<b>Cytogenetics:</b>	5p15.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a cis-Golgi transmembrane protein that may be necessary for the long-term survival of nociceptive and autonomic ganglion neurons. Mutations in this gene are a cause of hereditary sensory and autonomic neuropathy type IIB (HSAN IIB), and this gene may also play a role in susceptibility to vascular dementia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct N-terminus, compared to isoform 1.</p>