

Product datasheet for **SC302809**

RETREG1 (NM_001034850) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RETREG1 (NM_001034850) Human Untagged Clone
Tag:	Tag Free
Symbol:	RETREG1
Synonyms:	FAM134B; JK-1; JK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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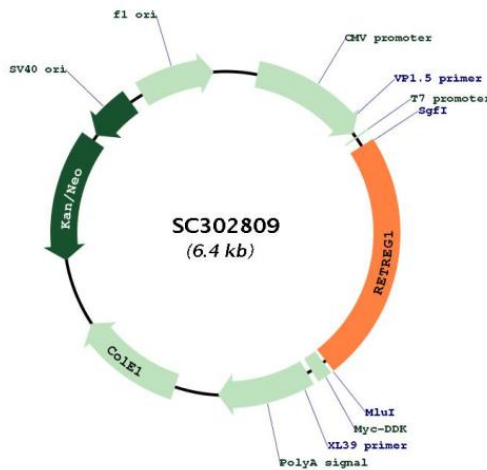
Fully Sequenced ORF: >SC302809 representing NM_001034850.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCGAGCCCGGCCCTCCGGAGCACGCCGAGGAGGGATGCCCGCTCCTGCCCGGAGGAGCAGGGC
CCGCCGTCGCCGCCACCGCCCCAGGCATCCCCGAGAGCGGCAGCAGCAGGAGGAGGAAGCGCAGGAA
GCTGGGGCGGGCGGAGGGCGGGGTTGCAGGTGGAGGAGGCCGGGGCCGGCGGCCGCGGTAAAC
TGGCTGCTCGGGGAGCCGGTGTGTGGCTGGGCTGCCGCCGACGAGCTGCTGAGCTGGAAGAGGCCG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001034850

Insert Size:	1494 bp
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.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_001034850.2
RefSeq Size:	3308 bp
RefSeq ORF:	1494 bp
Locus ID:	54463
UniProt ID:	Q9H6L5
Cytogenetics:	5p15.1
Protein Families:	Transmembrane
MW:	54.7 kDa
Gene Summary:	<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 (1) represents the longer transcript and encodes the longer isoform (1).</p>