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# Product datasheet for SC127723

## RETREG2 (NM_024293) Human Untagged Clone

### Product data:

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|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | RETREG2 (NM_024293) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | RETREG2 |
| **Synonyms:** | C2orf17; FAM134A; MAG-2 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pCMV6-XL5 |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**Fully Sequenced ORF:**

>SC127723 representing NM_024293.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCGAGCGGCGGTGGCGGGGGTAACACTGGCGCGGGTGGGGGGCCGGGGATGGGCCTGAGCCTGGGCC
TGGGTCTGGGTCTGAGCCTAGGCATGAGTGAGGCCACCAGTGAGGCAGAGGAGGAGGCGGCCACGGCCGA
GGCGGTGGGACGCCTGGCCACGACGCTGTGGCTGCGGCTCCGCGGCTGGGAGGCGGTGCTGGCGGCGGCG
CAGCGGTTGCTGGTGTGGGAGAAGCCGCTGCACAGCCTGGTCACGGCGGCCGCGCTCAACGGCCTCTTCT
GGTTGCTGTCTTCCTCGTCCCTCCGGCCCTTCTTCCTACTCAGCGTCTCACTTTTGGCCTATTTTCTGCT
GGATCTCTGGCAGCCTCGCTTTCTCCCTGACGTTTCAGCATCATCCCCAGAGGAGCCACACTCTGACAGT
GAGGGTGCGGGGTCAGGCGCCCGGCCGCACCTGCTGAGTGTGCCCGAGTTGTGCAGATACCTGGCTGAGA
GCTGGCTCACCTTCCAGATTCACCTGCAGGAGCTGCTGCAGTACAAGAGGCAGAATCCAGCTCAGTTCTG
CGTTCGAGTCTGCTCTGGCTGTGCTGTGTTGGCTGTGTTGGGACACTATGTTCCAGGGATTATGATTTCC
TACATTGTCTTGTTGAGTATCCTGCTGTGGCCCCTGGTGGTTTATCATGAGCTGATCCAGAGGATGTACA
CTCGCCTGGAGCCCCTGCTCATGCAGCTGGACTACAGCATGAAGGCAGAAGCCAATGCCCTGCATCACAA
ACACGACAAGAGGAAGCGTCAGGGGAAGAATGCACCCCCAGGAGGTGATGAGCCACTGGCAGAGACAGAG
AGTGAAAGCGAGGCAGAGCTGGCTGGCTTCTCCCCAGTGGTGGATGTGAAGAAAACAGCATTGGCCTTGG
CCATTACAGACTCAGAGCTGTCAGATGAGGAGGCTTCTATCTTGGAGAGTGGTGGCTTCTCCGTATCCCG
GGCCACAACTCCGCAGCTGACTGATGTCTCCGAGGATTTGGACCAGCAGAGCCTGCCAAGTGAACCAGAG
GAGACCCTAAGCCGGGACCTAGGGGAGGGAGAGGAGGGAGAGCTGGCCCCTCCCGAAGACCTACTAGGCC
GTCCTCAAGCTCTGTCAAGGCAAGCCCTGGACTCGGAGGAAGAGGAAGAGGATGTGGCAGCTAAGGAAAC
CTTGTTGCGGCTCTCATCCCCCCTCCACTTTGTGAACACGCACTTCAATGGGGCAGGGTCCCCCCAAGAT
GGAGTGAAATGCTCCCCTGGAGGACCAGTGGAGACACTGAGCCCCGAGACAGTGAGTGGTGGCCTCACTG
CTCTGCCCGGCACCCTGTCACCTCCACTTTGCCTTGTTGGAAGTGACCCAGCCCCCTCCCCTTCCATTCT
CCCACCTGTTCCCCAGGACTCACCCCAGCCCCTGCCTGCCCCTGAGGAAGAAGAGGCACTCACCACTGAG
GACTTTGAGTTGCTGGATCAGGGGGAGCTGGAGCAGCTGAATGCAGAGCTGGGCTTGGAGCCAGAGACAC
CGCCAAAACCCCCTGATGCTCCACCCCTGGGGCCCGACATCCATTCTCTGGTACAGTCAGACCAAGAAGC
TCAGGCCGTGGCAGAGCCATGATGA



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM_024293 unedited
GAATTTGTATACGACTCCTATAGGCGGCCGCGAATTCGGCACGAGGGTGACGCTCGTCCG
CAACCTCTGCTGTCCTCCGCGGCGCCCCCTTCCGCCTGACGCGCCCCCGGCGGCGGCCGC
GCAGCCCTGGCTCCTCGCGGGCTCGGGCGGCGGCTGCGGCGGGGCTATGGCGAGCGGCGG
TGGCGGGGGTAACACTGGCGCGGGTGGGGGGCCGGGGATGGGCCTGAGCCTGGGCCTGGG
TCTGGGTCTGAGCCTAGGCATGAGTGAGGCCACCAGTGAGGCAGAGGAGGAGGCGGCCAC
GGCCGAGGCGGTGGGACGCCTGGCCACGACGCTGTGGCTGCGGCTCCGCGGCTGGGAGGC
GGTGCTGGCGGCGGCGCAGCGGTTGCTGGTGTGGGAGAAGCCGCTGCACAGCCTGGTCAC
GGCGGCCGCGCTCAACGGCCTCTTCTGGTTGCTGTCTTCCTCGTCCCTCCGGCCCTTCTT
CCTACTCAGCGTCTCACTTTTGGCCTATTTTCTGCTGGATCTCTGGCAGCCTCGCTTTCT
CCCTGACGTTTCAGCATCATCCCCAGAGGAGCCACACTCTGACAGTGAGGGGTGCGGGNG
GTCAGGCGCCCGGCCGCACCTGCTGAGTGTGCCCCGAGTTGTGCAGATACCTGGCTGAGA
GCTGGCTCACCTTCCAGATCACCTGCAGGAGCTGCTGCAGTACAAGAGGCAGATCCCACC
TCAGTTCTGCGGTTCGAGTCTGCTCTGCTGGGCCTGGGTNGGCCTGGGGTGGGAACACTA
TGTTCCAGGGGATTATGATTTCCTACATGGGCTTGGGGAGGATCCCGGTGGGGCCCTGGG
GGGGTTATATGAGCCTGACCAAAGGAGGACACTCGCCTGGACCCCCTGTCATGCAGTTGA
CTACGCAGGAAGGCGAACCCAGGCC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM_024293 unedited
ATTTATGGTNNTATTTTTTTTTTTATTTCTTTTCTACCATTTTTTTTCAGTCACACCGCC
ANAGTTATGTCCACTTCCTACCCTATAGGGGGTCCCACTACACTTGGATCACCCAGAGGA
GCAGTAAGGAAGCTCCTAATCTCAAGAGAGAGCACATGCTCACCAACTCCAGTGCTGGCG
CCATGTACTGCGGGATCCCTGCTCTCCTGCATCATGAAAGGCCGGGCTGAACGGGGCAAG
GATGCAGTGAAGGTTACACAGACTACAGTGACCTAAGAGTGTAACTACTGGCCTGACCCA
CTGCCCCAGGTTTACTCTTTACTTCCCAGACCAGGAGCCTCCCTAAAGCTTGGCCAGTGC
CCACGGGATAGGAGGAGCTGGCAAAGGATGGGGTTGAGCTGCTAAGGACAGGACACAGCA
GGGAAATAAAGCAGAAAGGAACACAAGACAAGAGAAAAATTATAAAGTGCCTCAACTAAA
CAACCAAGTGGGACATGAGGGCAGAGCAGCACAGGTCCCTGAGGATAGGAGGAAAAAGAA
AGGGCCAGACCACCAGGGCTTGGGGCATAGTGGAATGAGAATAGAGATGAGGCAGGGAGG
CAAGCGCAGGCTGTGGGAAGGACTTCCCTAGCCCTGTTCACATCCACTAACCCCAAATGG
AAAATTATTTACAAATTTAAAACCAATCCTAGGCACAGGTACTGCACCATGCCCAGGACA
GCAAGCAGGCAAGCAGGCAGAGGGTGTAATAGCTACCATTCGACAGCCAGCTTCCCCACA
CACTGTCCCACCCCAGATGGGTATGCAAAGGAGGAAACAGCTACCCCTCCTAGCCCAGAA
AGCCCTACTGTGCCTGGCAGTTCCTTCCTCAAAGGCTTGCCTAATGGCTTCTGGCACCGG
CCCTGGGCTTCTTTGGCTTGACA

**Restriction Sites:** NotI-NotI

**ACCN:** NM_024293

**Insert Size:** 1632 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).

**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:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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. |
| **Note:** | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required. |
| **RefSeq:** | NM_024293.2 |
| **RefSeq Size:** | 2615 bp |
| **RefSeq ORF:** | 1632 bp |
| **Locus ID:** | 79137 |
| **UniProt ID:** | Q8NC44 |
| **Cytogenetics:** | 2q35 |
| **Protein Families:** | Transmembrane |
| **MW:** | 57.9 kDa |