

Product datasheet for **RN200484**

Ret (NM_001110099) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ret (NM_001110099) Rat Untagged Clone
Tag: Tag Free
Symbol: Ret
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200484 representing NM_001110099
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGAAAGCGAGGTCGGCGCCGAGGGCTGGGGCTGAAGCTGTTTTGCTGCTGCCGCTACTGGGAG
AAGCCCCGCTGGGTCTCTACTTCTCAAGGGATGCTTACTGGGAGAGGCTGTATGTGGACCAGCCAGCTGG
CACACCTCTGCTCTATGTCATGCCCTACGGGATGCCCTGGAGAAGTGCCAGCTTCCGCTGGGCCAG
TATCTCTATGGGGTCTACCGCACGCGTCTGCATGAGAATGACTGGATCCACATCGATTCCGGGCACTGGCC
TCCTCTACCTCAATCAGAGCCTGGACCATAGTTCCTGGGAGCAGCTCAGCATCCGCAATGGCGGCTTCCC
CTTGCTCACCGTCTTCCCTCCAGGTCTTCTGGGGTCCACAGCCAGAGAGGGAGAGTGTATTGGCCA
GGCTGTGCCCGTGTACTTCTCCTTCAACGACACCTTCCCAAATTTAGTCTCTTCAAAGCCCGGG
ATCTCTGCACCCCGGAGACGGGTGTGTCTTCCGCATCAGGGAGAACAGGCCCTTGGCACCTTCTACCA
GTTCCGCATGCTACCTGTGCAGTTCCTTTGTCCTAACATCAGTGTGAAGTACAACTCTTAGAAGGGGAC
GGTCTGCCCTTCCGTTGTGACCCGACTGTCTGGAGGTGAGCACGCGGTGGCGCTGGATCGGGAGCTTC
AGGAGAAGTATGTGCTGGAGGCTGAGTGCAGTGGCAGGCCCTGGAGCCAACAAGGAGAAGGTGGCCGT
GTCCTTCCCGGTGACGGTGTATGATGAAGACGACTCCCCGCCACCTTCTCCGGAGGTGTGGGCACCGCC
AGTGCTGTGGTGGAGTTAAGCGGAAGGAGGGCACTGTGGTAGCCACTCTGCAGGTGTTTGTAGCAGATG
TGGTGCCAGCATCTGGGGAGCTGGTGGGCGGTACACAAGCACACTACTCTCAGGGGATTCTGGGCCCA
GCAGACCTTCCGGGTGGAGCACACCCAACGAGACCTTGGTCCAGTCCAACAACAACCTCCGTGCGGGCA
ACCATGCACAATTACAAGCTGGTTCTCAACAGGAGCCTGTCCATCTCAGAGAGCCGAGTCTGCAGCTAG
TAGTCTGGTCAATGACTCAGACTTCCAGGGCCTGGGTGAGGTGTTCTTCTTCCATTTCAACGTGTC
TGTGCTGCCTGTCACCTGAACCTACCATGGCCTACTCTTCCAGTGAATAGGAGAGCCCGCCGTTAT
GCCAGATTGGGAAAGTTTGGTGGAGAAGTCCAGGAGTTCAGCGGTGTCTCCATCCAGTACAAGCTGC
AGCCCTCCAGCACAACCTGCAGTGCCTAGGTGTGGTACCTCAACAGAAGACACCTCAGGGACCCCTATA
TGTAATGACACGGAGGCCCTGCGGCGACCTGAGTGTACCGAGCTTCACTACACAGTGGTAGCCACTGAC
CGGCAGACCCGAGGAGCCAGGCTTCGTTAGTCGTCACAGTGGAGGGGACATACATTGCAGAAGAAG
TGGGCTGCCCCAAGTCTGTGCAGTAAACAAGAGGCGACCTGAGTGTGAGGAGTGTGGTGGCCTGGGTTCT
TCCAACCTGGCAGATGTGAGTGGCGTCAGGGAGATGGTAAAGGGATCACCAGGAACCTTCTCCACCTGTTCT



CCTAGCACCAGGACCTGTCCTGATGGCCACTGTGATGCTCTGGAGAGCCGGGATATCAACATTTGCCCC
 AGGACTGTCTCCGTGGCCCAATTGTTGGCGGGCATGAGCGAGGGGAGCGCCAGGGGATTAAGCCGGCTA
 TGGCATCTGCAACTGTTCCCTGATGAGAAGAAGTGTCTTCCGAGCCAGAGGACAGCCAGGGCCATTG
 TGCGATGAGCTGTGCCGTACGGTCATCACAGCCGCTGTCTTCTCCTCATAATCTCTGTCTGCTGT
 CCACCTTCTGCATCCACCCTACCACAAGCATGCGACAAGCCACCCATCGCGTCAGCCGAAATGACCTT
 CTGCCGGCCGGCCAGGGCTTCCCAATCAGCTATTCTTCTCGGGCACCAGCCGGCCCTCACTGGACTCC
 ATGGAGAACCAGGTCTCTGTGGACTTTCAAGATCCCGGAGGATCCGAAGTGGGAATTTCTCGGAAGA
 ACTTAGTTCTTGGGAAAACCCTGGGAGAAGGCGAGTTTGGAAAAGTAGTCAAGGCCACAGCCTTCCGTCT
 GAAAGGCCGGCAGGATACACCACAGTGCTGTGAAAATGCTGAAAGAAAACGCCTCCCAGAGTGAACCTA
 CGAGACCTGCTCTGAGTTCAACCTTCTGAAACAAGTCAACCATCCACATGTCATCAAGTTGTACGGGG
 CTTGCAGCCAGGATGGGCCACTTCTTCTCATTGTGGAGTATGCAAAGTATGGATCCCTGCGGGGTTCT
 GCGGGACAGCCGAAGATCGGGCTGCCTATGTGAGCAGTGGAGGCAGCCGAATTCAGCTCCCTGGAC
 CACCCAGACGAAAGGGTCTGACCATGGGCGACCTCATCTCTCGCCTGGCAGATCTCGAGGGTATGC
 AGTACTGGCTGAAATGAAGCTCGTACATCGAGACTTAGCTGCCAGAAACATCTTGGTGGCAGAGGGACG
 GAAGATGAAGATCTCTGACTTTGGGCTGTCCCAGATGTTTATGAAGAAGATTCTATGTGAAGAAAAGC
 AAGGGCCGATTCCCGTCAAATGGATGGCAATCGAGTCTCTTTCGATCACATCTATACCACTCAAAGTG
 ATGTGTGGTCTTTGGAGTGTGCTATGGGAGATTGTGACCCTGGGAGGCAACCCCTACCTGGAATTC
 TCCTGAACGACTTTCACCTTCTGAAGACAGGCCACAGGATGGAGAGGCCAGACAACCTGCAGCGAGGAA
 ATGTACCCTGATGCTGCAGTGTGGAAGCAGGAGCCGGACAAGAGGCCAGTATTTGCTGACATCAGCA
 AGGATCTGGAGAAGATGATGGTCAAAGCAGAGACTACTTGGACTGGCTGCATCCACCCCTTCGGACTC
 ACTGCTCTATGACGATGGGCTCTCGGAAGAGGAGACGCCCTGGTGGACTGTAAACAGTGTCCCTCCCG
 CGCTCCCTCCCTCCACATGGATTGAAAACAACTCTATGGTAGAATTCACATGCATTTACTAGATTCT
 AG

AGCGGACCGACGCTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_001110099

Insert Size:

3222 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.
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_001110099.1, NP_001103569.1

RefSeq Size:

3928 bp

RefSeq ORF:

3222 bp

Locus ID: 24716

Cytogenetics: 4q42

Gene Summary: may play a role in excretory system and enteric nervous system development; human homolog is associated with Hirschsprung disease and Multiple Endocrine Neoplasia type 2 [RGD, Feb 2006]
Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (b) has a shorter and unique C-terminus compared to isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.