

Product datasheet for **RN216839**

Ears2 (NM_001159493) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ears2 (NM_001159493) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ears2
Synonyms:	RGD1307904
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216839 representing NM_001159493
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCTCCGCAAGAGCCTTCTGCTGGCCGGCCCTCACGTGGGGCCCTCGGGACCGCGTGGGTC
 GGCGCAGGCCAGTCTGGGCCAGATCCCGGGGTACGGTGCGAGTGCCTTCGCTCCCAGCCCCACAGG
 CTTCTTACACCTGGGTGGCTCCGTAAGTCCCTCTACAACCTACATCTTTGCCAAGAAGCACCAAGGAGC
 TTCATTCTGAGGCTGGAGGACACTGATCAGAGCCGCTGGTACCGGGGGCAGCAGAAAACATTGAGGACA
 TGCTGGAGTGGCAGGCATCCCACCTGATGAAAGTCCCCGCCAGGGTGGTCTGCAGGGCCCTACTATCA
 GTCACAGCGGCTAGCTCTGTATGCCAGGCCACAGAAGCATTGCTGAAATCTGGAGCTGCCTATCCCTGT
 TTCTGTTACCACAGCGGCTGGAGCTCCTGAAGAAGGAAGCACTGAGGAGCCGTAGACACCTCGGTATG
 ACAATCGATGCCGAACCTGAGCCAGGCACAGGTGGCCAGAAGCTGGCCACAGACCCCAAGCCTGCTAT
 CCGCTTTCGCTAGAGGAAGCAGTACCAGCCTTCCAAGACCTGGTATATGGCTGGACTCAGCATGAAGTG
 GCCAGTGTGGAGGGGGACCCAGTTATCCTGAAAAGTGATGGCTTTCCTACCTACCACCTAGCCTGTGTGG
 TAGATGACCACCACATGAGCATCAGCCATGTAATTCGGGGCTCTGAGTGGCTGGTCTCTACATCCAAGCA
 CTTGCTCCTCTACCAGGCCCTGGGTTGGCAGCCACCTCAATTTGCTCATCTGCCCTGCTCCTCAACAGG
 GATGGTAGCAAGCTGTCTAAGAGGCAAGGGGACATTTTCTGGAACATTTTCGCTGCCACCGGTTTTCTTC
 CAGAAGCCTTGCTTGACATCATCACTGTTGGCTCGGGGTTTGCAGAGAACCAATGGGCAGGACCCCT
 GCCGGAGCTGATTACACAGTTTGACCTGACTCGGATCACCTGCCACTCAGCCCTGCTGGACCTAGAGAAG
 CTCCCAGAATTAACAGGCTGCACCTCCGCCGGCTGGTGAAGGAGCATTGGGAGCGAATGCAAGACAGGGATGTTCTGGACCCAGC
 AGAAGTTGCAGGGCCTGGTGAAGGAGCATTGGGAGCGAATGCAAGACAGGGATGTTCTGGACCCAGC
 ATATATGGAGAGGATCCTCCTGCTGCGACAGGGTACATCAGCCGTCTGCAGGATCTGGTCTCCCCAGTG
 TACTCCTACTTATGGACCCGCCCTGCTGTCCATCGAGCAGAGCTGGGCGCCAGCTCGGAAAAGTTGGATG
 TGATTGCCAAACACTTGCTGGGGCTTTTAGAAAGACCTGGTTAAGCCTAACTCAGGATGTGGTGAACAG
 AGAACTGAAGAAGTTGTGAGAAGCCTGGAAGGCACCAAGCATAGCAGCGTGATGAAGCTCCTCCGGATG
 GCCCTCAGTGGACAGCTGCAAGGACCCCTGTGGCTGAGATGATGGTGTCTTGGGCCAGAGGAAGTAC
 GGAACGAATCCAGAAGGTGCTTTCTAGCTAG

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001159493

Insert Size: 1572 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: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001159493.1](#), [NP_001152965.1](#)

RefSeq Size: 1961 bp

RefSeq ORF: 1572 bp

Locus ID: 361641

Cytogenetics: 1q36