

Product datasheet for RN202700

Homer2 (NM_053309) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Homer2 (NM_053309) Rat Untagged Clone
Tag: Tag Free
Symbol: Homer2
Synonyms: Vesl-2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202700 representing NM_053309
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGAGAGCAGCCCATTTCCACCAGCGAGCGCACGTCTTCCAGATTGACCCAGCACCAAGAAGAACT
GGGTGCCGGCAAGCAAGCAGGCCGTCACTGTTTCTACTTCTACGATGTCACCAGAACAGCTATCGGAT
CATCAGTGTGGATGGAGCAAGTAATCATAAACAGCACCATCACCCGAACATGACGTTACCAAAA
TCACAGAAAGTTCGGGCAGTGGGCTGACAGCAGGGCCAACACCGTGTTCGGTCTGGGATTCTCCTCAGAGC
AGCAGCTCACAAAGTTTGCAGAGAAATCCAGGAGGTAAGAGAAGCTGCCAGGTTAGCCAGAGACAAGTC
CCAGGAGAAAAATCGAGACGTCAAGTAATCATTCCAAGAATCTGGGTGTGAAACCCCGTCTTCCACTCAG
GCATCCAGCGTCAATGGGACAGATGACGAGAAAGCCTCCCATGCGAGTCCGGCCGACACACCTCAAGT
CTGAGAATGACAAGCTGAAGATCGCTTTGACACAGAGTGCTGCCAATGTGAAGAAGTGGGAGATCGAGCT
GCAGACCTGCGGGAGAGCAATGCCCGCTGACCACCGCGCTGCAGGAGTCGGCGCCAGTGTAGAACAG
TGAAGCGGCAATTCTCCATCTGCAGAGATGAGAATGACAGGCTCCGCAGCAAGATTGAGGAGCTGGAAG
AACAGTGCAGTGAAGTCAACAGGGAGAAGGAAAGAACACCCAGCTGAAGAGGAGGATTGAGGAGCTGGA
GTCAGAGGTCAGAAAAAGGAAATGGAGTTGAAGGATCTCCGCAAAACAAGTGAATCATACCTCAGCTC
ATGTCCGAGTGTGAATATGTCTCTGAGAAGTTAGAGGCTGCAGAAAGAGACAATCAAAAATTGGAAGACA
AAGTGCAGTCTCTAAAGACAGACATCGAGGAGAGTAAATACCGGCAGCGCCACCTGAAGGGGAGCTCAA
GAGCTTCTTGAGGTGCTGGACGGAAAGATCGATGACCTCCACGACTTCCGCCGAGGGCTCTCAAGCTA
GGCACGGATAACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053309



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Insert Size:	1065 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:	<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:	<u>NM_053309.1</u> , <u>NP_445761.1</u>
RefSeq Size:	1994 bp
RefSeq ORF:	1065 bp
Locus ID:	29547
UniProt ID:	<u>O88801</u>
Cytogenetics:	1q31
Gene Summary:	binds metabotropic glutamate receptors mGluR1 and mGluR5 [RGD, Feb 2006]