

Product datasheet for **RN206770**

Homer1 (NM_031707) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Homer1 (NM_031707) Rat Untagged Clone
Tag: Tag Free
Symbol: Homer1
Synonyms: HOMER1F; Vesl-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN206770 representing NM_031707
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGGAACAACCTATCTTCAGCACTCGAGCTCATGTCTTCCAGATCGACCCAAACACAAAGAAGAACT
GGGTACCCACCAGCAAGCATGCAGTTACTGTGTCTTATTTCTATGACAGCACAAGGAATGTGTATAGGAT
AATCAGCTAGACGGCTCAAAGCAATAATAAATAGCACCATCACTCAAACATGACATTTACTAAAACA
TCTCAAAAGTTTGGCCAATGGGCTGATAGCCGGGCAAACACTGTTTATGGACTGGGATTCTCCTCTGAGC
ATCATCTCTCAAAATTTGCAGAAAAGTTTCAGGAATTTAAAGAAGCTGCTCGGCTGGCAAAGGAGAAGTC
GCAGGAGAAGATGGAAGTACCAGTACCCCTTCACAGGAATCAGCAGGAGGAGATCTTCAGTCTCCTTTA
ACACCAGAAAGTATCAATGGGACAGATGATGAGAGAACACCCGATGTGACACAGAAGTACAGAGCCAGGG
CTGAGCCAGCTCAGAATGCATTGCCATTTTACATAGTGCCGGGGATCGAACCCAGGGCCTCTCATGC
TAGTTCAGCCATCAGCAAACACTGGGAGGCTGAACTAGCCACGCTCAAGGGGAACAATGCCAAGCTCACC
GCAGCGCTGCTGGAGTCCACTGCCAACGTGAAGCAGTGAAGCAACAGCTGGCTGCCTACCAGGAGGAGG
CAGAGCGGCTGCACAAGCGGGTACGGAGCTGGAATGTGTAGTAGTCAAGCAAACGCGGTGCACAGCCA
CAAGACAGAGCTGAGTCAGACAGTGCAGGAGCTGGAAGAGACCCTAAAAGTAAAGGAAGAGGAAATAGAA
AGATTA AAAACAAGAAATTGATAACGCCAGAGAAGTCAAGAACAGAGGGACTCTTTGACTCAGAAACTAC
AGGAAGTTGAGATTCGAAATAAAGACCTGGAGGGGCGAGCTGTCGGAGCTGGAGCAGCGCCTGGAGAAGAG
CCAGAGCGAGCAGGACGCTTTCCGCAGTAACCTGAAGACTCTCCTAGAGATTCTGGACGGGAAAATATTT
GAACTAACAGAATTGCGGGATAATTTGGCCAAGCTACTAGAATGCAGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_031707



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Insert Size:	1101 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_031707.1, NP_113895.1</u>
RefSeq Size:	4050 bp
RefSeq ORF:	1101 bp
Locus ID:	29546
UniProt ID:	<u>Q9Z214</u>
Cytogenetics:	2q12
Gene Summary:	binds specifically to metabotropic glutamate receptor; may regulate metabotropic glutamate signaling [RGD, Feb 2006]