

Product datasheet for **RR206765**

Homer3 (NM_053310) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Homer3 (NM_053310) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Homer3
 Synonyms: Vesl-3
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR206765 representing NM_053310
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCACAGCCAGGGAACAGCCAATCTTCAGCACCAGGGCGCACGTGTTCCAGATCGACCCCGCTACGA
 AGAGGAAGTGGATTCCCCTGGCAAGCATGCATTACCGTGTCTATTTCTATGATGCAACCCGAAATGT
 GTACCGCATCATCAGCATCGGAGGCGCCAAGGCCATCATCAACAGCACAGTCACTCCAACATGACCTTC
 ACCAAAACCTCTCAGAAGTTCGGGCAATGGGCAGACAGTCGAGCCAACACTGTGTATGGCCTAGGCTTTG
 GCTCGGAACAGCAGCTGACCCAGTTTGCTGAGAAGTTTCAGGAGGTCAAAGAAGCTGCCAGACTGGCTCG
 GGAGAAATCTCAAGATGGTGGAGAAGTCACTAGTACTGCCCTGGCCATGGCCTCCCACCAGGTTCTCCA
 AGCCCCCTTGGTCAGCACCATGGTCCAGAAGAGAAGCTGTTCCGCAGCCAGAGCGCGGACGCCCTGGCC
 CCACTGAGCGGGAGCGGTTGAAGAAGATGCTGTGAGAAGGCTCCGTAGGGGAGGTCCAGTGGGAGGCTGA
 GTTCTTTGCACCTCAGGACAGCAACCAGAGGCTGGCAGGGGCCCTTCGAGAGGCCAACCGCGCCGCCACT
 CAGTGGAGGCAGCAGCTGGAGGTCCAGCGTGCAGAGGCTGAACACTTCCGGCAGCGGGTGGCTGAGCTGG
 AGCCCCAGTGGCTGCAGAGCCGTCGGGCAGGAGAGAAGAAGCAACCAGCCAGTCCGGTGGAGCAGCT
 GGAGGCTCGGGTGCAGACCAAGGACCAGGAGATCCAGACTTTGAAGAATCAGAGCACTGGCCACGAGAG
 GCTCCTGACACCCGAGCGGGAGGAGACAGCAGCAGGTTTCAGGACCTGGAGACCCGGAATGCAGAAC
 TGGAGCAGCAGCTGCGGGCGATGGAAAGCAACCTGGAGGAGGCGCGGGCCGAGCGGGAGCGCGCAGCAGC
 AGAGGTGGGCCGGCTGCGCAGCTGTTGGAGCTGCGGCTGTTTCGAGCTGAGCGAGCTGCGCGAGGGCCTG
 GCTCGCCTGGCAGAGGCAGCACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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ORF Size:	1074 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_053310.1 , NP_445762.1
RefSeq Size:	1207 bp
RefSeq ORF:	1077 bp
Locus ID:	29548
UniProt ID:	Q9Z2X5
Cytogenetics:	16p14
MW:	39.9 kDa
Gene Summary:	may interact with group I metabotropic glutamate receptors and regulate their coupling to membrane ion channels [RGD, Feb 2006]