

Product datasheet for RC231982

HOMER1 (NM_001277078) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HOMER1 (NM_001277078) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: HOMER1
Synonyms: HOMER; HOMER1A; HOMER1B; HOMER1C; SYN47; Ves-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231982 representing NM_001277078
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGAACAACCTATCTTCAGCACTCGAGCTCATGTCTTCAAATTGACCCAAACACAAAGAAGAACT
GGGTACCCACCAGCAAGCATGCAGTTACTGTGTCTTATTTCTATGACAGCACAAGAAATGTGTATAGGAT
AATCAGTTTAGATGGCTCAAAGCAATAATAAATAGTACCATCACCCAAACATGACATTTACTAAAACA
TCTCAGAAAGTTGGCCAGTGGGCTGATAGCCGGGCAAACACCGTTTATGGATTGGGATCTCCTCTGAGC
ATCATCTTTGAAATTTGCAGAAAAGTTTCAGGAATTTAAAGAAGCTGCTCGACTAGCAAAGGAAAAATC
ACAAGAGAAGATGGAACCTACCAGTACACCTTCACAGGAATCCGCAGGCGGGGATCTTCAGTCTCCTTTA
ACACCGGAAAGTATCAACGGGACAGATGATGAAAGAACACCTGATGTGACACAGAAGCTCAGAGCCAAGGG
CTGAACCAACTCAGAATGCATTGCCATTTTCACATAGGAAG

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

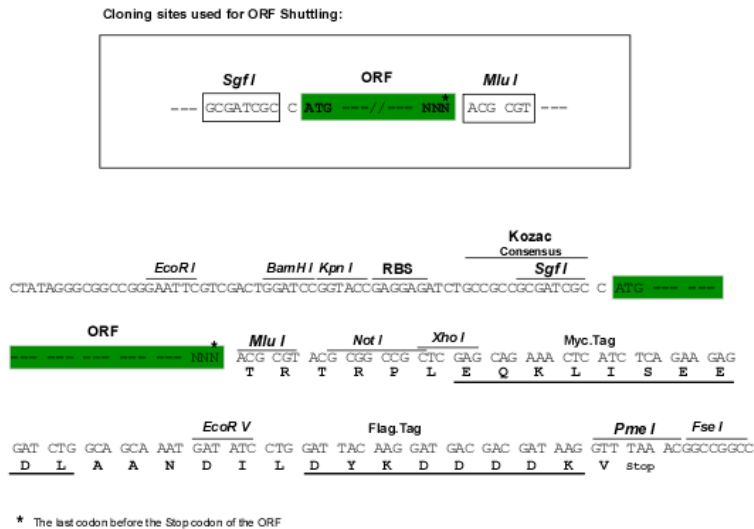
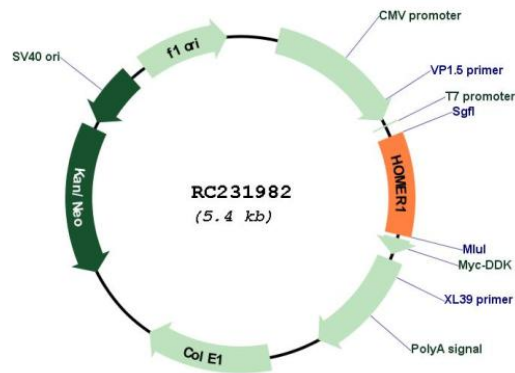
Protein Sequence: >RC231982 representing NM_001277078
Red=Cloning site Green=Tags(s)

MGEQPIFSTRAHVFDIDPNTKKNWVPTSKHAVTVSYFYDSTRNVYRIISLDGSKAIINSTITPNMTFTKT
SQKFGQWADSRANTVYGLGFSSEHHLSKFAEKQEFKEAARLAKEKSQEKMELTSTPSQESAGGDLQSPL
TPESINGTDDERTPDVTQNSEPRAEPTQNALPF SHRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001277078

ORF Size: 531 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:	<u>NM_001277078.1</u> , <u>NP_001264007.1</u>
RefSeq Size:	3963 bp
RefSeq ORF:	534 bp
Locus ID:	9456
UniProt ID:	<u>Q86YM7</u>
Cytogenetics:	5q14.1
Protein Families:	Druggable Genome
MW:	20.3 kDa
Gene Summary:	This gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotropic glutamate receptor function. [provided by RefSeq, Jul 2008]