

## Product datasheet for **SC333271**

### HOMER1 (NM\_001277077) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HOMER1 (NM\_001277077) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** HOMER1  
**Synonyms:** HOMER; HOMER1A; HOMER1B; HOMER1C; SYN47; Ves-1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333271 representing NM\_001277077.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGGGGAACAACCTATCTTCAGCACTCGAGCTCATGTCTTCCAAATTGACCCAAACACAAAGAAGAAC
TGGGTACCCACCAGCAAGCATGCAGTTACTGTGCTTATTTCTATGACAGCACAAGAAATGTGTATAGG
ATAATCAGTTTAGATGGCTCAAAGGCAATAATAAATAGTACCATCACCCCAAACATGACATTTACTAAA
ACATCTCAGAAGTTTGGCCAGTGGGCTGATAGCCGGGCAAACACCGTTTATGGATTGGGATTCTCCTCT
GAGCATCATCTTTCGAAAGTGACTGAACCTGAATGTGTTAGTAGCCAAGCAAATGCAGTACATACTCAT
AAGACAGAATTAATCAGACAATACAAGAACTGGAAGAGACACTGAAACTGAAGGAAGAGGAAATAGAA
AGGTTAAACAAGAAATTGATAATGCCAGAGAACTACAAGAACAGAGGGATTCTTTGACTCAGAAACTA
CAGGAAGTAGAAATTCGGAACAAAGACCTGGAGGGACAACCTGTCTGACTTAGAGCAACGCTCTGGAGAAA
AGTCAGAAATGAACAAGAAGCTTTTCGCAATAACCTGAAGACACTCTAGAAATTTCTGGATGGAAAGATA
TTTGAAC TAACAGAATTACGAGATAACTTGGCCAAGCTACTAGAATGCAGCTAA
```

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001277077  
**Insert Size:** 675 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).



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**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\\_001277077.1](#)

**RefSeq Size:** 3922 bp

**RefSeq ORF:** 675 bp

**Locus ID:** 9456

**UniProt ID:** [Q86YM7](#)

**Cytogenetics:** 5q14.1

**Protein Families:** Druggable Genome

**MW:** 25.8 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]

Transcript Variant: This variant (2, also known as HOMER1E) lacks three consecutive coding exons compared to variant 1. The missing segment is in-frame, so the resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.