

Product datasheet for **SC331083**

HOMER1 (NM_001277078) Human Untagged Clone

Product data:

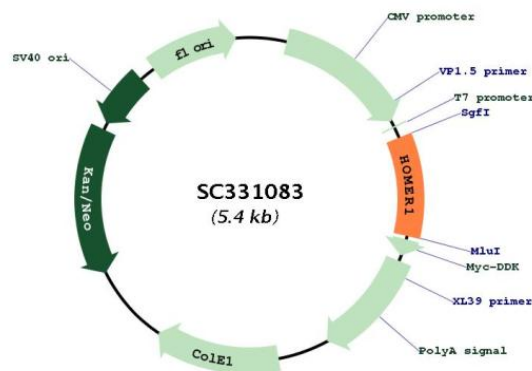
Product Type:	Expression Plasmids
Product Name:	HOMER1 (NM_001277078) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOMER1
Synonyms:	HOMER; HOMER1A; HOMER1B; HOMER1C; SYN47; Ves-1
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331083 representing NM_001277078. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGGGAACAACCTATCTTCAGCACTCGAGCTCATGTCTTCCAATTGACCCAAACACAAAGAAGAAC
TGGGTACCCACCAGCAAGCATGCAGTTACTGTGCTTATTTCTATGACAGCACAAGAAATGTGTATAGG
ATAATCAGTTTAGATGGCTCAAAGGCAATAATAAATAGTACCATCACCCAAACATGACATTTACTAAA
ACATCTCAGAAGTTTGGCCAGTGGGCTGATAGCCGGGCAACACCGTTTATGGATTGGGATTCTCCTCT
GAGCATCATCTTTCGAAATTTGCAGAAAAGTTTCAGGAATTTAAGAAGCTGCTCGACTAGCAAAGGAA
AAATCACAAAGAGAAGATGGAACCTACCAGTACACCTTACAGGAATCCGCAGGCGGGGATCTTCAGTCT
CCTTTAACACCGGAAAGTATCAACGGGACAGATGATGAAAGAACACCTGATGTGACACAGAACTCAGAG
CCAAGGGCTGAACCAACTCAGAATGCATTGCCATTTTCACATAGGAAGTAG
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



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ACCN:	NM_001277078
Insert Size:	534 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_001277078.1</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:	19.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3, also known as HOMER1H) lacks three consecutive coding exons compared to variant 1, that causes a frameshift. The resulting isoform (3) has a shorter and distinct C-terminus 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.</p>