

Product datasheet for **SC310511**

HOMER1 (NM_004272) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOMER1 (NM_004272) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOMER1
Synonyms:	HOMER; HOMER1A; HOMER1B; HOMER1C; SYN47; Ves-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004272 edited
 GGGCGCTGGAGCGGCGGCTGCGCTTCGGCTTCGAGCCAGCTCTCCTGGCCCAACGCGG
 GCTTAGCCTCCCCTTTGGCTCGGGCAGGCGCCGTCGACCCCTTCGGCCCTTTTCGCCC
 CCCTGGAGCTGGGGCAGGGTCCAGTGAAGCGTGGGGCTTGGCTCTGTGATTCATTCA
 TTCTCCGCCGACGGGAGCCTCAGACCCGCTGTGCTCTGAAGAGAGGAGGGAAGAGGGGC
 AGCCGCGAATGAAGGGCCGGGCACCAGCCGGCTCCATTGTGCTCGGCGCGGGGGCGG
 GAAGGGCTGAGGGAGGTGGGATCGGGTCCCCTCCTCCAGCTCTCCGGCGTGCCTGCGC
 CCCAGCCTGCTGCCAGCCTGGAATGGCTCCGTTTATTCTCTTCGGGAGAATGAATCGA
 TCCTGCCTAGCCTTCTTTCGTCTCCACCTTCTCTGCTCCGAGTCTTAGGAGGAG
 AAACATTTAAAAAGACAGATTCCAATGTGGAGTGCCGTGCAGGTTGCGAGCTGCCGGTT
 TGCACTTCGAGGAGATTTTCTGTGTAGTTTTTTTCTAATGTGAGCGCAGGAAGCCGT
 GGCATTACTGCTTTTGGATTTTTATTACGTGCACGTGCGGTTTGGTTGCTCGTCCAC
 CCCCAGACCTGGTGTGGTGGAGAAATTTGAACCCGACGCTTAGCTCCGAAAAGGCCG
 AGTTACCTGGCTCTCCCTGAGTGTGAGGAGGACATGAGTAAAAGACCAGCAACTCAT
 TTTTATAGGACTCGGTGAAGCCGATTCTGCATTTCCCTACTTGTAGACTCATTTTGTG
 GAATAGAGTTGATCGCTGTCTCCCGAAAGCATTTTAACTCGAATAAGCAAATGCCGC
 CTCTGTTTGAACGTTTTGGTATTTACAAGAGAGAAATCATTTTACCTAAGAGAATAATT
 GAATTGGCAGCATCCTTGAATACCTCCGGACAAGGATCTGGGGTGGGGTGGAAAAGC
 AACTGCGAAATAGCAGACGGAGAAATTCCTTTGGAAGTATTCCGTAGCATAAGAGCTGA
 AACTTCAGAGCAAGTTTTATTGGGCAAAATGGGGAAACAACCTATCTTCAGCACTCGAG
 CTCATGTCTTCCAATGACCCAAACACAAGAAGAACTGGGTACCCACCAGCAAGCATG
 CAGTACTGTGCTTATTTCTATGACAGCACAAGAAATGTGTATAGGATAATCAGTTTAG
 ATGGCTCAAAGGCAATAAATAGTACCATCACCCAAACATGACATTTACTAAAACAT
 CTCAGAAGTTTGGCCAGTGGGCTGATAGCCGGGCAACACCGTTTATGGATTGGGATTCT
 CCTCTGAGCATCATTTTCGAAATTTGCAGAAAAGTTTCAGGAATTTAAAGAAGCTGCTC
 GACTAGCAAAGGAAAAATCACAAGAGAAGATGGAACCTACCAGTACACCTTCACAGGAAT
 CCGCAGGCGGGATCTTCAGTCTCCTTTAACACCGAAAGTATCAACGGGACAGATGATG
 AAAGAACACCTGATGTGACACAGAACTCAGAGCCAAGGGCTGAACCAACTCAGAATGCAT
 TGCCATTTTACATAGTTCAGCAATCAGCAAACATTGGGAGGCTGAACCTGCTACCTCA
 AAGGAAATATGCCAAACTCACTGCAGCCCTGCTGGAGTCCACTGCCAATGTGAAACAAT
 GGAACAGCAACTTGCTGCCTATCAAGAGGAAGCAGAACGTCTGCACAAGCGGGTACTG
 AACTTGAATGTGTAGTAGCCAAGCAAAATGCAGTACATACTCATAAGACAGAATTAATC
 AGACAATACAAGAACTGGAAGAGACACTGAAACTGAAGGAAGAGGAAATAGAAAGTTAA
 AACAGAAATGATAATGCCAGAGAACTACAAGAACAGAGGGATTCTTTGACTCAGAAAC
 TACAGGAAGTAGAAATTCGGAACAAAGACCTGGAGGGACAACCTGTCTGACTTAGAGCAAC
 GTCTGGAGAAAAGTCAGAATGAACAAGAAGCTTTTCGCAATAACCTGAAGACACTCTTAG
 AAATCTGGATGGAAAGATTTTGAACAAACAAGATTACGAGATAACTTGGCCAAGCTAC
 TAGAATGCAGCTAAGGAAAGTAAATTTTCAGTGCCAATTAATTAAGATACACTGTCTC
 TCTTCATAGGACTGTTTAGGCTCTGCATCAAGATTGCACAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004272

Insert Size: 2300 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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_004272.3</u> , <u>NP_004263.1</u>
RefSeq Size:	4228 bp
RefSeq ORF:	1065 bp
Locus ID:	9456
UniProt ID:	<u>Q86YM7</u>
Cytogenetics:	5q14.1
Domains:	WH1
Protein Families:	Druggable Genome
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 (1) represents the longest transcript and encodes the longest 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>