

Product datasheet for **SC319666**

HOMER2 (NM_004839) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOMER2 (NM_004839) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOMER2
Synonyms:	ACPD; CPD; DFNA68; HOMER-2; VESL-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004839.2
 CGCGCCTGGCGCGGTGGCGGCAGTGGCAGCAGTGGCAGCCGCGCAGCCCCGCGGAATGG
 AGCGGGCGCCGGGGCTGAGCCGGGCGCGCACGGGCCCGCATGTGCCGCGGGGAGCGG
 CTGCCGAGCGGGCGGAGAGCGAGCGGAGAGGCCCGTCGGAGCGGCCCGCGGAGCAGCG
 CCGGAGATGGGAGAACAGCCCATCTTCACCACCCGAGCGCATGTCTTCCAGATTGACCCC
 AACACCAAGAAGAACTGGATGCCTGCGAGCAAGCAGGCGGTCACCGTTTCTACTTCTAT
 GATGTCACAAGGAACAGCTATCGGATCATCAGTGTGGACGGAGCCAAGGTGATCAAAAC
 AGCACAATCACACCGAATATGACCTTCACCAAAACGTACAGAAGTTTGGGCAGTGGGCC
 GACAGCAGAGCCAACACAGTGTTTGGTTTGGGGTTTTCTCTGAGCAGCAGCTGACAAAAG
 TTTGCAGAGAAATTCAGGAGGTGAAAGAAGCTGCCAAGATAGCCAAGACAAGACGCGAG
 GAGAAAATCGAGACCTCAAGTAATCATTCCAAGCATCCAGTGTCAACGGGACGGACGAT
 GAAAAGGCCTCTCAGCCGGTCCAGCCAACACACACCTGAAGTCTGAGAATGACAAGCTG
 AAGATTGCCTTGACGCGAGCGCAGCCAACGTGAAGAAGTGGGAGATCGAGCTGCAGACC
 CTTCCGGGAGAGCAATGCACGGCTGACCACAGCACTGCAGGAGTCCGCGAGCCAGTGTGGAG
 CAGTGGAAAGAGGCAAGTTCCATCTGCCGTGATGAGAATGACCGCTCCGCAACAAGATT
 GATGAGCTGGAAGAAATGCAGTGTGAGTCAACAGAGAGAAGGAGAAGAACACGCAGCTG
 AAGAGGAGGATCGAGGAGCTGGAGGCAGAGCTCCGAGAAAAGGAGACAGAGCTGAAAGAT
 CTCCGAAAACAAAGTGAATCATACCTCAGCTCATGTGAGAGTGCGAATATGTCTCTGAG
 AAGCTAGAGGCGGAGAGAGAGACAATCAAAACCTGGAAGACAAAGTGCCTTCTTAAAG
 ACAGACATTGAGGAGAGCAAATACCGACAGCGCCACCTGAAGGTGGAGTTGAAGAGCTTC
 CTGGAGGTGCTGGACGGGAAGATTGACGACCTGCATGACTTCCGCCGAGGGCTCTCCAAG
 CTGGGCACCGATAACTAGGGCTGGCCGAGGCCAGGCCCGCCCGTGTGAGTCCCAAGCGTG
 TGTGCGAGACCAGATAGCTTAGGACGTTCTTCTGTGTGATTGCTTCTGTAATGCAGG
 CGCAGTTTGTGCGTTTTCCAAACAGTTGTGCCGTCCACTCACTCTTTTTCAGAATAGAA
 ATCTCCTCTCGTCTCTGTCCTGTGAGGTTGTGGACAAGTGAAGATTCTGACTCAGG
 AATCCAGAAGTGGTCTACCTTCAACATTTATGCAGTCAGGGCAGGGATGTTTATATCTT
 TCATAAGGGCTGTTGCAACCATATGAACTGAAAAAACACGCATTTTGTAAATCCAAATATT
 GATATTCTTTACACCAAGCCATCAGGCTCCTTTTATCAAATAGCATTGAGATATTTGAA
 TGTCACCAGACACCAGCCCCGGGGGACAGAGAGAACAACATTCCTCTCTGTCAACAT
 CGAGAGGCTTTAAAACAAGTGTAGTGGAACTTTCTGAGAGATGGAAAACAAGCTTCT
 GGTGGGTGATTTCTGGCCCGAGTTGCCTGCATCCACGCTACTGCCCCCTGCCCCCG
 CCCCCCAGTTTGTACGGTTGCAACAGTGTCTTTTCTTGGTTTTAATTTCTGAGCAGA
 TGATTGTGCTGTGGAAACAGCACACAGTGGGGTGCCTAGCACAATGTCTGGCACAAAGT
 AGGTGCTTAATAAATATTTGTTCAATTAATAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004839

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:	NM_004839.2 , NP_004830.2
RefSeq Size:	1972 bp
RefSeq ORF:	1032 bp
Locus ID:	9455
UniProt ID:	Q9NSB8
Cytogenetics:	15q25.2
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. The encoded protein is a postsynaptic density scaffolding protein. Alternative splicing results in multiple transcript variants. Two related pseudogenes have been identified on chromosome 14. [provided by RefSeq, Jun 2011]</p> <p>Transcript Variant: This variant (1), also known as HOMER-2A, uses an alternate in-frame splice site in the central coding region, compared to variant 2, resulting in an isoform (1) that is shorter than isoform 2.</p>