

Product datasheet for **SC115133**

EVI2A (NM_014210) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EVI2A (NM_014210) Human Untagged Clone
Tag:	Tag Free
Symbol:	EVI2A
Synonyms:	EVDA; EVI-2A; EVI2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115133 sequence for NM_014210 edited (data generated by NextGen Sequencing) <pre> ATGCCCACGGACATGGAACACACAGGACATTACCTACATCTTGCCTTTCTGATGACAACA GTTTTTCTTTGTCTCCTGGAACAAAAGCAAACATAACCGTCTGTGGGCTAACAGTACT TCTTCCTGGGATTCAAGTTATTCAAAACAAGACAGGCAGAAACCAAATGAAAACATTAAC ACAAACCTATAACTCCTGAAGTAGATTATAAAGGTAATTCTACAAACATGCCTGAAACA TCTCACATCGTAGCTTTAACTTCTAAATCTGAACAGGAGCTTTATACCTTCTGTCGTC AGCAACAGTCCTTCAACAGTACAGAGCATTGAAAACACAAGCAAAAGTCATGGTGAAATT TTCAAAAAGGATGTCTGTGCGGAAAACAACAACATGGCTATGCTAATTTGCTTAATT ATAATTGCAGTGCTTTTCTTATCTGTACCTTTCTATTTCTATCAACTGTGGTTTTGGCA AACAAAGTCTCTTCTCTCAGACGATCAAAACAAGTAGGCAAGCGTCAGCCTAGAAGCAAT GGCGATTTTCTGGCAAGCGGTCTATGGCCGCTGAATCAGACACTTGAAAAGAACAAAA CAGCTCACAGGACCCAACCTAGTGATGCAATCTACTGGAGTGCTCACAGCTACAAGGGAA AGAAAAGATGAAGAAGGAAGTGAAGAACTTACTAACAACAGATAGGTTAG </pre> Clone variation with respect to NM_014210.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014210 unedited <pre> GGGNCGGACCGCGCAATTCGGCACGAGGCTTTAAGGCTCATATTCTCCAAGTCTATTCTG CTTTAAAAAGAAGACAAGAAAAGAAGTGGTTTATCAAAATCACGTTATAATCAGATTTTG ACCAAGCATTTTGTAAAGATTGCCAAGTATGCCACGGACATGGAACACACAGGACATTAC CTACATCTTGCCTTTCTGATGACAACAGTTTTTCTTTGTCTCCTGGAACAAAAGCAAAC TATACCGTCTGTGGGCTAACAGTACTTCTTCTGGGATTCAATTATTCAAAACAAGACA GGCAGAAACCAAAATGAAAACATTAACACAAACCTATAACTCCTGAAGTAGATTATAAA GGTAATTCACAAACATGCCTGAAACATCTCACATCGTAGCTTTAACTTCTAAATCTGAA CAGGAGCTTTATATACCTTCTGTCGTGCAACAGTCCTTCAACAGTACAGAGCATTGAA AACACAAGCAAAAGTCATGGTGAAATTTTCAAAAAGGATGTCTGTGCGGAAAACAACAAC AACATGGCTATGCTAATTTGCTTAATTATAATTGCAGTGCTTTTTCTTATCTGTACCTTT CTATTTCTATCAACTGTGGTTTTGGCAAACAAGTCTCTTCTCAGACGATCAAAACAA GTAGGCAAGCGTCAGCCTAGAAGCAATGGCGATTTCTAGCAAGCGGTCTATGGCCCGCT GAATCAGACACTTGAAAAGAACANAACAGCTCACAGGACCCAACTAGTGATGNCATCT ACTGGAGTGCTCAGCTCCNAGGNAATGAAAGATGAAGAATGGACTTGAAAACTTTAC TACNAACAGATAGGTTAGTGAAGAAAAATGCAAAGTNAGCATGGAGAAGGCTNATGGAGT AAAATGAAGTCAGTTGGGTATTAATCCCAAG </pre>
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014210 unedited <pre> GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTACGTGGTCACAGGTTTATTCTGA GTTTTAATTTATTATACAAAAGTAAAGGTTTTAATTTAATTAATAGTAGAAAAACACT TTCTTACGTGTGCCATATGGAAGATAAAGGATCTATTCTAAAATTAGCTGTGTGGTTG ATAAGCTGGTGTGGATTCTGCCACATCCAGCAAAGAAGATACCATTAAATTACACAGTTT AGCTCTCTCTATCTATGCATTAGGAATTTGACTTCCATTTGATGTAAAGCATATACTTG GCTTTAAGGACACACTAAAATATTCAAAGTTAATTACATTCAGACAAAGATCATCTAA CCACTGTTGCTACATAGGGAATATTTAATTAATTATCCCTTGCTATCTCTATTAATCAGT TTCCTCAATTTATCCTTAAAAATTTTCTCAATGCTTAGTTATTTTATTATTTGCTTTTT AAAATATTCAGTGTCAAAACAAAAGTACACAGTTTAAATAATTAAGCAGGCATACTTCTC CCTGTCTCACCTGCTTGATTCTAAATTGCAAGGTCTACCATGTCAAATTTTAGATAATCA GAACAACACTTTTGGGATTAAATACCACTGACTTCATTTTTACTCCATAAGCCTTCTCA TTGCTACTTTGCATTNTTCTTCCCTAACCTATCTNGTTGTTAGTAAGTTTTTCAAGTCC TTCTTCATCCTTTTCTTTCCCTTGNAGCTGGGAGCACTCCAGTAGATTGCATCACTAGGG TTGGTCTGTGAGCTGTNTTGTCTTTCCCAATGTCTGATTACAGCGGCCCTAGACCCGTT TGCAGAAAATCGCCATGCTCCTAGGCTGACGCTTGCTACTTGNTTTGATCGCCTGAAAA AAAAACTTTTTTGGCAAACACAGTGGATGAAATAGAAGGTACGATATAAAAAGCCTGC NCTTTANTAGGCAATTGCTTG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014210
Insert Size:	1500 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:	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_014210.2, NP_055025.2</u>
RefSeq Size:	1622 bp
RefSeq ORF:	711 bp
Locus ID:	2123
UniProt ID:	<u>P22794</u>
Cytogenetics:	17q11.2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	May complex with itself or/and other proteins within the membrane, to function as part of a cell-surface receptor.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks a portion of the 5' UTR and 5' coding region, and uses a downstream translational start codon, compared to variant 1. The encoded isoform (2) has a shorter N-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. CCDS Note: This CCDS representation uses the 5'-most in-frame start codon, which is conserved in higher primates. An alternative downstream start codon, which is more widely conserved and has a stronger Kozak signal, also exists. It is possible that leaky scanning by ribosomes would allow the downstream start codon to be used, at least some of the time. The use of the downstream start codon would result in a protein that is 4 aa shorter at the N-terminus. Both the longer and shorter N-termini have predicted signal peptides according to SignalP 3.0. There is no experimental evidence showing which start codon is preferentially used in vivo.