

Product datasheet for **SC104801**

AIMIL (AK095339) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	AIMIL
Synonyms:	CRYBG2
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC104801 sequence for AK095339 edited (data generated by NextGen Sequencing)

ATGGAACCTCAGAACCCAGGGACAAAGTGGAGTCCCCAAGGCATCGGCTCCCTAAGGAGG
 GTTGTCTGGGACTACAGCACCCCGGAAATCAGCCTCTTCTCTGAGGAGGGCCTCAAGGGG
 GAGCAAGTGAAGCTAACAGAGGCTTGAAGAATCCCAGGGTCTGGAGAAGCCCTGCAG
 GTGGCATCTGCCACCGTCTCTGCAGGACTGTGGTACTGTACCCAAACCATTATTCGAA
 GACACTCCCTACATCCTGGAACCTGGAGAGTACCCACCTCAGAGGCTGGGGCACATCG
 GACCCACGCTGGGCTCCCTGAAGCCCATGAGATTGGGCTGCCAAGTGTGGAGAAGCCA
 GGGGAGCCAGGGCTGTGGTGTATGAGGCCAGGCTTTCAGGGCCGACGTGGGAAGTG
 AGCCGAGACATCTACAACCTTCAGCAGCCAGAGACAGCCAGAGCCCCACCTGGCCTCT
 GTGGGTCCCTGAGAGTTCTCGGAGGCTGCTGGTGGGCTACGAGAAGGAGGGCTTCGG
 GGCCACCAAGTATCTGCTGGAGGAGGGGAATACCCAGACTGGTCACTGGGAGGGCTAT
 GACGAGTTGCTGACCTCCCTCCGGGTATCCGGACGGACTTCGGGACCCGGCGTCGTG
 CTATTTGAGGCCATGGACTTCGAGGGGCACGGCGTGGAGTGAGCAAGGCATTGCCGAT
 GTGGAGCTGGTGCAACACGGCCCCAGCACACAGGCCATCCAGTGTCTCAGCGCGTGTGG
 GTGGCTACAGGAGGTGGGCTTCTCCGGGAACAGTACGTGTGGAGAAGGGCGTGTAT
 CGTAACTGCGAGGACTGGGGCGCTGGCAACAGCACCCCTCGCCTCGTGCAGCCGGTCTCA
 CAGGTCCGGGAGCAGCATCTGCACTTCGTCTCAAAGATTACGCTTTTCTCCGCCCCGAC
 TTTCTGGGCGACCACTTCTCTTGAAGATGACCAGGCCGCTCTGCCGCTCTCTCCGA
 CCTCAGTCTGCCGGTCCACGGCGCAGCTGGATCCTGTTTGTATGAGACGAACCTTCGAG
 GGTGACCAGCACATTCTCTGAGGGCGAGTTCCTCACTCTCACGGCCATGGGCTGCCTC
 GCCTCCACAGTCTGGGCTCTCTCCAGAAGGTATCCCTGCACTTTTCAGAGCCTTCCATT
 TTCCTGTATGGACTCGAGTGTTCGAGGGGAAGGAGATCGAGCTCAGCAGGAGGTGCGG
 AGCCTGCAAGCCGAGGGCTTCAACAACCATGTGCTGTCTGTGCGGATCAAGGGGGGCAAT
 TGGGTGCTATGTGAACACAGTGAATTCGGGGCCGCAAGTGGTGGTGGGAAGTGCAG
 ATCACAACCTGGCTGACCTACAGCGGCACCCAGAGGGTGGGCTCCCTCTACCCCATCAAG
 CAGCGCCGGGTTTATTTCCGCTCTGGAATGCAGCACTGGGGGATTCTGGCAGTGCCG
 GACCATGTGGAGGACATGAAAGCAGGCCGTGTGGTGGTGCCTAACCCCAAGCTGGAGGT
 AGCTGCATCTGGTACTACGAGGATGGGCTGCTGAAGAACCAGATGGCCCCACCATGAGC
 CTACAGGTGATTGGACCCCTAGCCAGGCTCCAAGGTGGTGTGTGGGCCGAGAGCCGC
 CTGCCCGCCAGAGCTGGAGCATCAGTGAATCGGGCCACATCTGCAGCCAGATGTTCGAA
 GGCCAGATCTGGACGTGAAGGGAGGCCGGGCTACGACCGGGACACGTGGTGTATGG
 GAGCCGGATGAGGACAGGGCATCCAGATCTGGACTATCCACGTGCTTTGA

Clone variation with respect to AK095339.1
 1543 g=>a

5' Read Nucleotide Sequence: >OriGene 5' read for AK095339 unedited

AACAAGTTTAGAATTTGTNATACGACTTCATATAGCGCGCCGNAATTCGCACCAGGGG
 AACCTCCACCCTGCCAAACCCAGGCTCCTGCTCTCTCTGAGATGATGAAGAAG
 CATGTAGCAGGAACCAAGGGCCCCACTCAGAGCTGGGATTGAACTGCAGGGAGGCAGC
 AGGCCCACTTACCGTCTTGAGGCGAGCCTTCTGTTGCGCAGTCTGGTGCCTACCGCCAAG
 GAGGCTCCACCCCGAACCGCTGGGCACAAAATATCTGCTCTGCTGCCCCATGGGGCA
 CCGGGGCTCAGGAAGGTGCCAGGACAGTTGCCCTGCTTTGCAAGTAAAGATCATCCCCA
 ACGGAGAAGCTTGCTGTTCCCTGCCCTGGAGGGTGGAGCCAGCCTTAAAGACCCAG
 GGCAAGCTGAACACCAGGCCTGGAAGGTGATCTTCTCTCAGAGTCTGGCTGCCAAGGC
 AGTGGCAGGGAGGTCTGGGAGACATCGTTGATGCCTCAGGCTGGGCCCCCGTAGCCTCC
 ATAAGGGTAGTTGAGGCTGCTGGGTGCTGTACGAAGAGCCAGAGTTCGGGGTCAAG
 CTGGTCTGCTGAAGGAGACATGGAACCTCAGAACCCAGGGACAAAGTGGAGTCCCCAA
 GGCATCGGCTCCCTAAGGAGGGTTGTCTGGGACTACAGCACCCGAAATCAGCCTCTTC
 TCTGGAGAGGGCTCAAGGGGAGCAAGTGAAGCTAACAGAGGCTTGAAGAATCCCAG
 GGTCTGGAGAAGCCTGGCAGTGGCATCTGCCACCGTCTCTGCAGGACTGTGGCTACTG
 TACCCCAAACCTTATTCGAAGACCTCCCTACATCCTGGACCTGGAGAGTACCCACCTCAA
 AGGCTGGGGCACATCGACCCCCAC

3' Read Nucleotide Sequence:	>OriGene 3' read for AK095339 unedited <pre> ATCNGTTTTTTTTTCTTTTTTTTACCTGGCAGCATTTTATAAAATAGCTTATGTTACAA CAAAAACCCATATAAAACATTATCCAGCAAAAGCCTCCAGGGCTGGAGGGTGAGGGGA AAAGTTTCAAAGCACGTGGATAGTCCAGATCTGGGATGCCCTGTCTCATCCGGCTCCCA TAGCACCACGTGGTCCCGGTCGTAGCCCCGGCCTCCCTTACGTCCAGGATCTGGCCTTC GAACATCTGGCTGCAGATGTGGCCCGATTCACTGATGCTCCACGTCTGGCGCGCAGGCG GCTCTCGGCCACAGCACCACCTTGAGCCTGGGCTAGGGGTCCAATCACCTGTAGGCT CATGGTGGGGCCATCTGGTTCTTACGAGCCCATCCTCGTAGTACCAGATGCAGTACC TCCAGCTTGGGGTTGGCGACCACACAGGCCTGCTTTCATGTCTCCACATGGTCCGG CACTGCCAGGAATCCCCCAGTGCTGCATTCCAGAGGCGGAAATAAACCCGGCGCTGCTT GATGGGGTAGAGGGAGCCACCTCTGGGTGCCGCTGTAGGTCAGCCAGTTGGTGATCTC GCAGCTTCCACCAAGCCACTGGCGGCCCGGAAGTCACTGTGTTACATAGCACCCAAAT GCCCCCTTGATCCGCACAGACAGCATGGTTGTTGAAGCCCTCGGCTTGACAGGCTCCG CACCTCCCTGCTGAGCTCGATCTCTTCCCTCGAAGCACTCGAGTCCATACAGGAAAT GGAAGGCTCTGAAAAGTGCAGGGATAC </pre>
Restriction Sites:	NotI-NotI
ACCN:	AK095339
Insert Size:	2500 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	AK095339.1 , BAC04533.1
RefSeq Size:	2289 bp
RefSeq ORF:	2289 bp
Locus ID:	55057
Cytogenetics:	1p36.11
Domains:	RICIN, crystall

