

## Product datasheet for **SC315347**

### SYNRG (NM\_080550) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SYNRG (NM\_080550) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SYNRG  
**Synonyms:** AP1GBP1; SYNG  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_080550, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCTGCGGCCAGGAGCTGGTTCTGGTGGCGGCGGGCCGCGGGAGCTGGCGCGGG
TCCGCCGGGGGAGGCGGCTTCATGTTTCTGTTGCAGGTGGGATAAGACCCCTCAAGCA
GGCCTGATGCCGATGCAGCAACAAGGATTTCTATGGTCTCTGTCATGCAGCCTAATATG
CAAGGCATTATGGGAATGAATTACAGCTCTCAGATGTCCCAAGGACCTATTGCTATGCAG
GCAGGAATACCAATGGGACCAATGCCAGCAGCGGGAATGCCTTACCTAGGACAAGCACCC
TTCTGGGCATGCGTCTCCAGGCCACAGTACACTCCAGACATGCAGAAGCAGTTTGCC
GAAGAGCAGCAGAAACGATTTGAACAGCAGCAAAAACCTTTAGAAGAAGAAAAGAAAAGA
CGCCAGTTTGAAGAGCAGAAGCAAAAGCTCAGACTTTTGGAGCAGTGTAAACCCAAGACA
GGAGAGAAGAGTAGAGATGATGCTTTGGAAGCCATAAAAGGAAATTTAGATGGGTTTTCC
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GAGGAGAAGTTTCTAGTATCTTGTGATATAAGTACATCTGGGCAGGAACAAATTAATTA
AATACTTCTGAAGTTGGCCACAAAGCCCTAGGCCCAGGTTCCAGTAAGAAGTATCCCAGT
TTAATGGCCAGTAACGGGGTTGCTGTAGATGGATGTGTAAGTGGTACCACCACTGCAGAG
GCAGAAAATACTTCAGATCAAAACCTGTCAATTGAAGAGAGTGGTGTGGGAGTATTTCCC
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CAGCCAACTGTGATACCTCAGGTCCTGCGGGCTCCATGCCCTCAGCCTTGGACAGCCA
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GCAGCTGACAAGTCTCTGAAAATACTGTTCCACCTGGAGATCCTGGTGATAAATATAGT
GCTTTTCAGAGAAGTTGAACAGACAGCAGAGAATAAACCTTTAGGAGAAAGCTTTGCAGAA
TTCAGATCTGCAGGAAGTATGATGGTTTACCCGATTTTAAAACAGCCGATAGTGATCA

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CCACTAGAGCCACCAACAAAAGACAAAACCTTTTCCACCATCCTTCCCCTCAGGAACATA
CAACAGAAAACAACAAACAAGTGAAAAACCCTCTGAACTTAGCAGACCTAGATATGTTT
TCCTCAGTTAATTGCAGCAGCGAGAAACCATTGTCTTTTTCAGCTGTGTTTAGCACATCA
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GAGGCCACGTGTCCAGCCAGCGTCCAGTGGTGCCTCAAGAAACCCCGAACGAATGT
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TTGCTGAAGGACATCGATAAAGTATGGAATAACCTAATCGGCTTATGTCACTCGCCACA
CTCACACCAGATGAAAACCTCGCTGGATTTTCTCCTGTATGTTACGGCCTGGGATTA
AATGCTCAGGAGCTTGCCTGTGGAGTGTGCCTCTTGAATGTGGACTCGAGGAGCCGGCA
TTCAACTCAGAAACAGACAGTTTCAAGCTGGCCTATGGAGGGCACCAGTATCACGCCAGC
TGTGCCAACTTCTGGATCAACTGTGTGCAACCAAAAGCCTCCTGGCCTCGTCTGCCTGAC
CTGCTC

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- Restriction Sites:** Please inquire
- ACCN:** NM\_080550
- 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:**

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\\_080550.2](#), [NP\\_542117.2](#)

**RefSeq Size:** 5078 bp

**RefSeq ORF:** 3909 bp

**Locus ID:** 11276

**UniProt ID:** [Q9UMZ2](#)

**Cytogenetics:** 17q12

**Domains:** EH

**Gene Summary:** This gene encodes a protein that interacts with the gamma subunit of AP1 clathrin-adaptor complex. The AP1 complex is located at the trans-Golgi network and associates specific proteins with clathrin-coated vesicles. This encoded protein may act to connect the AP1 complex to other proteins. Alternatively spliced transcript variants that encode different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (2) lacks an alternate in-frame exon in both the central and 3' coding regions, compared to variant 1, resulting in an isoform (2) that is shorter than 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.