

## Product datasheet for SC302111

### ACTBL2 (NM\_001017992) Human Untagged Clone

#### Product data:

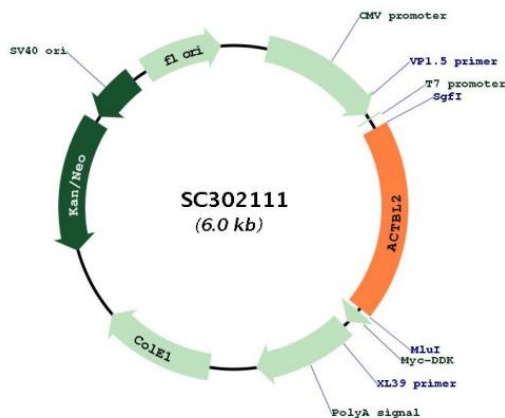
|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | ACTBL2 (NM_001017992) Human Untagged Clone   |
| Tag:                      | Tag Free   |
| Symbol:                   | ACTBL2   |
| Synonyms:                 | ACT  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >SC302111 representing NM_001017992.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTGAAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACTGACAATGAGCTGTCTGCCTTGGTAGTGGATAATGGGTCAGGGATGTGCAAGGCAGGCTTTGGT
GGTGACGATGCCCCCGGGCTGTGTTCCCTCCATGATAGGGCGTCTCGACACCAGGGCGTTATGGTA
GGCATGGGCCAGAAGGACTGCTACGTGGGAGATGAGGCTCAGAGCAAGAGAGGGCGTCTGACCCTGAAG
TATCCTATCGAGCATGGAGTGGTACCAACTGGGACGATATGGAAAAGATCTGGTACCACACATTCTAC
AATGAGCTCCGTGTGGCACCAGATGAGCATCCCATCCTCCTCACCAGGCACCCCTGAACCCCAAGATC
AACCGGAAAAGATGACTCAGATCATGTTTCGAGGCTTTCAACACACCAGCCATGTATGTCGCCATCCAG
GCTGTGCTGTCCCTCTATGCCTCAGGACGACCACAGGCATCGTGATGGATTCTGGGGATGGGGTCACT
CACATCGTGCCCATCTATGAAGTTATGCCCTGCCTCATGCCATTCTACGCCCTGGATCTGGCAGGGAGA
GACCTGACTGATTACCTCATGAAGATCCTGACAGAGCGAGGCTATAAATTCAACCACACTGCTGAGCGG
GAGATTGTGCGAGATGTCAAAGAGAAGCTGTGCTACGTAGCCCTGGACTTTGAGCAGGAGATGGTCAGG
GCAGCCGCATCCTCCTCACCAGGACGAGCATGAACTTCTGATGGGCAGGTGATCACCATTGGGAAT
GAACGCTCCGATGCCCTGAAGCCATTTCCAGCCTTCTTTCTGGGCATTGAGTCCAGTGGGATCCAT
GAGACAACCTTCAACTCTATCATGAAGTGGATGTGGATATTCGAAGGATCTCTATGCCAACCCGTG
TTATCTGGAGGGAGCACCATGTACCCAGGCATTGCTGACAGGATGCAGAAAGAAATCATAACCCCTGGCA
CCCAGCACCATGAAAATCAAGATCATAGCTCCCCAGAGCGGAAGTATTCTGTTTGGATTGGGGGCTCC
ATCCTTGCCAGCCTGTCCACATTCCAGCAGATGTGGATCAGTAAGCAGGAATATGATGAGGCTGGTCTC
CCTATCGTTCACAGAAAATGTTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001017992

**Insert Size:** 1131 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:**

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\\_001017992.3](#)

**RefSeq Size:** 2812 bp

**RefSeq ORF:** 1131 bp

**Locus ID:** 345651

**UniProt ID:** [Q562R1](#)

**Cytogenetics:** 5q11.2

**MW:** 42 kDa

**Gene Summary:** Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.[UniProtKB/Swiss-Prot Function]