

## Product datasheet for **SC336516**

### FRS2 (NM\_001278355) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | FRS2 (NM_001278355) Human Untagged Clone  |
| Tag:                      | Tag Free                                  |
| Symbol:                   | FRS2                                      |
| Synonyms:                 | FRS1A; FRS2A; FRS2alpha; SNT; SNT-1; SNT1 |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-Entry (PS100001)                    |
| E. coli Selection:        | Kanamycin (25 ug/mL)                      |



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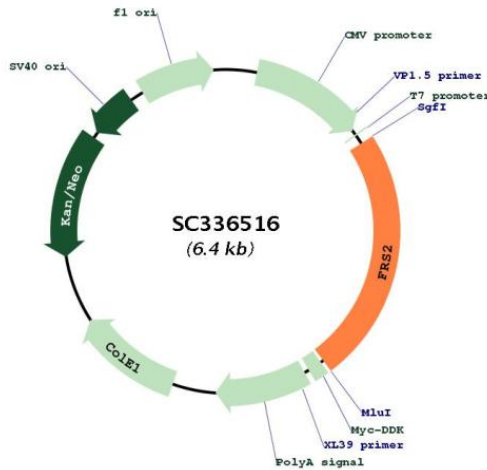
**Fully Sequenced ORF:** >SC336516 representing NM\_001278355.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
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CGTGCAGAAGAATTATTTAACATGTTGCAAGAGATTATGCAAAAATAAGTATAAATGTGGTGAAGAG
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CCAGGATTTGCTGCTCAGAACTTACCTAATGGATATCCCCGATATCCCTCATTTGGAGATGCTTCATCC
CATCCGTC AAGCAGACATCCTTCTGTGGGAAGTGTGCGCTGCCTTCAGTAGGGGAAGAATCTACACAT
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CCCATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**



**ACCN:** NM\_001278355

|                               |   |
|-------------------------------|---|
| <b>Insert Size:</b>           | 1527 bp   |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>   |
| <b>RefSeq:</b>                | <u><a href="#">NM_001278355.1</a></u>   |
| <b>RefSeq Size:</b>           | 6911 bp   |
| <b>RefSeq ORF:</b>            | 1527 bp   |
| <b>Locus ID:</b>              | 10818   |
| <b>UniProt ID:</b>            | <u><a href="#">Q8WU20</a></u>   |
| <b>Cytogenetics:</b>          | 12q15   |
| <b>Protein Families:</b>      | Druggable Genome  |
| <b>Protein Pathways:</b>      | Neurotrophin signaling pathway  |
| <b>MW:</b>                    | 57 kDa  |
| <b>Gene Summary:</b>          | <p>Adapter protein that links activated FGR and NGF receptors to downstream signaling pathways. Plays an important role in the activation of MAP kinases and in the phosphorylation of PIK3R1, the regulatory subunit of phosphatidylinositol 3-kinase, in response to ligand-mediated activation of FGFR1. Modulates signaling via SHC1 by competing for a common binding site on NTRK1.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (6) has multiple differences in the 5' UTR, compared to variant 3. All variants encode the same protein. 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.</p> |