

## Product datasheet for **SC336514**

### FRS2 (NM\_001278353) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FRS2 (NM_001278353) 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:** >SC336514 representing NM\_001278353.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGGTAGCTGTTGTAGCTGTCCAGATAAAGACACTGTCCAGATAACCATCGGAACAAGTTTAAGGTC
ATTAATGTGGATGATGATGGGAATGAGTTAGTTCTGGCATAATGGAACCTACAGACACAGAAGTATT
TTATACACCCGCAAACGTGACTCAGTAAAATGGCACTACCTCTGCCTGCGACGCTATGGCTATGACTCG
AATCTCTTTTCTTTTGAAGTGGTGAAGGTGTCAAACCTGGACAAGGAATCTTTGCCTTTAAGTGTGCC
CGTGCAGAAGAATTATTTAACATGTTGCAAGAGATTATGCAAAAATAAGTATAAATGTGGTGGAAGAG
CCAGTTGTAGAAAAGAAATAATCATCAGACAGAATTGGAAGTCCCTAGAACACCTCGAACACCTACAAC
CCAGGATTTGCTGCTCAGAACTTACCTAATGGATATCCCCGATATCCCTCATTTGGAGATGCTTCATCC
CATCCGTC AAGCAGACATCCTTCTGTGGGAAGTGTGCGCTGCCCTCAGTAGGGGAAGAATCTACACAT
CCTTTGCTTGTGGCTGAGGAACAAGTACATACCTATGTCAACACTACAGGTGTGCAAGAAGAGCGGAAA
AACCGCACAAGTGTGCATGTTCCATTGGAGGCGAGGGTTTCTAACGCTGAAAGCAGCACACCAAAAGAA
GAACCAAGTAGTATTGAGGACAGGGATCCCTCAGATTCTTCTTGAACCTGAAGGAGTCAAATTTGTTTA
GGGCCAACCCCTGTTCAAAGCAGTTAATGGAAAAAGAGAAAAGTGGAGCAACTTGGGAAGAGATCAAGTT
AGTGGAAGTGGAGCAAATAACACAGAATGGGACTGGCTATGACAGTGTGAACGAAGAGATGCACCC
TCTGTTAAACAACTGGTGTATGAAAATATAAATGGGCTATCTATCCCTAGTGCCTCAGGGGTGAGGAGA
GGTCGCTGACATCCACCACTACCTCAGATACCCAGAATCAACAACCTCAGCTCAGAGAAGAAGTGA
TTATTAACACTATGAAAATCTACCATCTTTGCCTCCTGTTGGGAAGCCCGCAAGCTAAGTAGGGATGAA
GATGACAATTTAGGACCAAAGACCCCATCTCTAAATGGCTACCATAATAATCTAGATCCAATGCATAAC
TATGTAATAACAGAGAATGTAACAGTCCAGCAAGTGTCAAAAATAGAATATTC AAGGCGTCGGGAC
TGTACACCAACAGTCTTTAACTTTGATATCAGACGCCCAAGTTTAGAACACAGGCAGCTTAATTACATA
CAGGTTGACTTGGGAAGGTGGCAGTACTCTGACAAACCCTCAGACTCCTAAAAACGCCTACAACCTCCCTT
CCACAAACCCCTACCAGGCGCACAGAGCTGTATGCCGTGATAGACATCGAGAGAAGTGTGCTATGTCA
AATTTGCAGAAAGCACTGCCACGAGATGATGGTACATCTAGGAAAAGTACACACAATAGTACTGATCTG
CCCATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001278353

**Insert Size:** 1527 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:	<a href="#">NM_001278353.1</a>
RefSeq Size:	6940 bp
RefSeq ORF:	1527 bp
Locus ID:	10818
UniProt ID:	<a href="#">Q8WU20</a>
Cytogenetics:	12q15
Protein Families:	Druggable Genome
Protein Pathways:	Neurotrophin signaling pathway
MW:	57 kDa
Gene Summary:	<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 (4) 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>