

## Product datasheet for **RG238622**

### FRS2 (NM\_001278355) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FRS2 (NM_001278355) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FRS2
Synonyms:	FRS1A; FRS2A; FRS2alpha; SNT; SNT-1; SNT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG238622 representing NM\_001278355.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGTAGCTGTTGTAGCTGTCCAGATAAAGACACTGTCCAGATAACCATCGGAACAAGTTTAAGGTC
ATTAATGTGGATGATGATGGGAATGAGTTAGGTTCTGGCATAATGGAACCTACAGACACAGAAGTATT
TTATACACCCGCAACCGTACTCAGTAAAATGGCACTACCTCTGCCTGCGACGCTATGGCTATGACTCG
AATCTCTTTTCTTTTGAAGTGGTCAAGGTGTCAAACCTGGACAAGGAATCTTTGCCTTTAAGTGTGCC
CGTGCAGAAGAATTATTTAACATGTTGCAAGAGATTATGCAAAAATAAGTATAAATGTGGTGGAAAGAG
CCAGTTGTAGAAAAGAAATAATCATCAGACAGAATTGGAAGTCCCTAGAACACCTCGAACACCTACAAC
CCAGGATTTGCTGCTCAGAACTTACCTAATGGATATCCCCGATATCCCTCATTTGGAGATGCTTCATCC
CATCCGTC AAGCAGACATCCTTCTGTGGGAAGTCTCGCTGCCTCAGTAGGGGAAGAATCTACACAT
CCTTTGCTTGTGGCTGAGGAACAAGTACATACCTATGTCAACACTACAGGTGTGCAAGAAGAGCGGAAA
AACCGCACAAGTGTGCATGTTCCATTGGAGGCAAGGGTTCTAACGCTGAAAGCAGCACACCAAAAAGAA
GAACCAAGTAGTATTGAGGACAGGGATCCCTCAGATTCTTCTTGAACCTGAAGGAGTCAAATTTGTTTTA
GGGCCAACCCCTGTTCAAAGCAGTTAATGGAAAAAGAGAAACTGGAGCAACTTGGAAAGAGATCAAGTT
AGTGGAAGTGGAGCAAATAACACAGAATGGGACTGGCTATGACAGTGTGAACGAAGAGATGCACCC
TCTGTTAAACAACTGGTGTATGAAAATATAAATGGGCTATCTATCCCTAGTGCCTCAGGGGTGAGGAGA
GGTCGTCTGACATCCACCACTACCTCAGATACCCAGAATATCAACAACTCAGCTCAGAGAAGAAGTGA
TTATTAACACTATGAAAATCTACCATCTTTGCCTCCTGTTGGGAAGCCCGCAAGCTAAGTAGGGATGAA
GATGACAAATTTAGGACCAAAGACCCCATCTCTAAATGGCTACCATAATAATCTAGATCCAATGCATAAC
TATGTAATAACAGAGAATGTAACAGTGCAGCAAGTGTCAAAAAAGAATATTC AAGGGCTCGGGAC
TGTACACCAACAGTCTTTAACTTTGATATCAGACGCCCAAGTTTAGAACACAGGCAGCTTAATTACATA
CAGGTTGACTTGGAAAGTGGCAGTACTCTGACAAACCCTCAGACTCCTAAAAACGCCTACAACCTCCCTT
CCACAAACCCCTACCAGGCGCACAGAGCTGTATGCCGTGATAGACATCGAGAGAAGTGTGCTATGTCA
AATTTGCAGAAAGCACTGCCACGAGATGATGGTACATCTAGGAAAAGTACACACAATAGTACTGATCTG
CCCATGTTAGCCTGAAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238622  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MGSCCSPDKDTPVDNHRNFKVINVDDDGNELGSGIMELTDELILYTRKRDSVKWHYLCLRRYGYDS
NLF SFGRRRCQTGGQIFAFKCARAEELFNMLQEIMQNNSINVVEEPVVERNHHQTELEVPRTPRPTT
PGFAAQNL PNGYPRYP SFGDASSHPSSRHPSVGSARLPSVGEESTHPLLVAEEQVHTYVNTTGVQEERK
NRTSVHVPLEARVSNAESSTPKPEPSSIEDRDPQILLEPEGVKFLVLPVQKQLMEKEKLEQLGRDQV
SGSGANTEWDTGYDSDERRDAPSVNKL VYENINGL SIPSASGVRGRGLTSTSTSDTQINNSAQRRTA
LLNYENLPSLPPVWEARKL SRDEDDNLGPKTPSLNGYHNNLDPMHNYVNTENVTPASAHKIEYSRRRD
CTPTVFNFDIRRRSLEHRQLNYIQVDLEGGSDSNPQTPKTPPTPLPQTPTRTELYAVIDIERTAAMS
NLQKALPRDDGTSRKTRHNSTDLPLAWK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:**

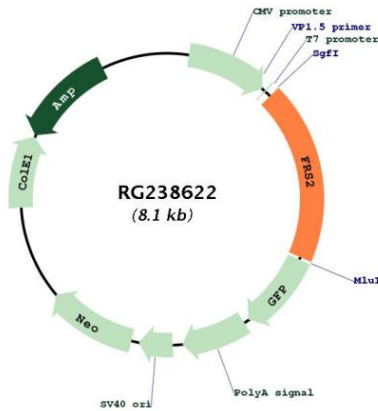
Sgfl-Mlul



**Gene Summary:**

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]

**Product images:**



Circular map for RG238622