

Product datasheet for **RN204529**

Frs3 (NM_001017382) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Frs3 (NM_001017382) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Frs3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204529 representing NM_001017382
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAGCTGCTGTAGCTGCCTGGACAGAGACAGCGTGCCACACAACCACCCTACCAAGTTCAAGGTGA
 CAAATGTGGATGATGAAGGGTGGAGTTGGGCTCAGGGTGATGGAGCTGACCCAGAGCGAGCTGGTGCT
 GCACCTGCACCAGCAGGAAGCTGTCCGCTGGCCCTACCTCTGCCTGCGGGCTATGGCTACGACTCCAAT
 CTCTTCTCCTTTGAGAGTGGCCGCGCTGTGACAGAGCCAGGGGATCTTTGCGTTCAAGTGCTCAAGGG
 CAGAGGAAATCTTCAACCTGCTGCAGGACCTCATGCAGTGTAAACAGCATCAATGTGACAGAAGAGCCAGT
 CATCATCACACGGAACAGCCACCACAAGAGCTTGACCTCCCTCGAGGCTCTCCAGCCACGGGTAC
 ACAGTCTCCAGCTTCTCAATGGCTTCCCTGGCTGCCCTGGAGAAGGCCACGGTTCTCCTCTGCTCCCC
 GCCGACCTCCACAAGCAGTCTGCGACACCCGTCGCTGGGAAGAGTCCACCCAGACCTCATTGCCTC
 GGATGAGCAGTCTCACACCTATGTCAACACACCAACCGGGGAAGAGGACCGCAGGAGTCCGCACTGCCTG
 CAGCCACTGCCTGAGGGCAGAGTGCCCTTCCCACCACAGACACAGGTCTCCGACCAGCGGACCCACAGG
 TGTTCTCGACCCAGGGCAGGTCAAGTTCGTGTTGGGCCACGCCTGCTCGACGACAGGTGATGAAGTG
 CCAGAGCCTCTGCCCCAGCATGCAGGACCTCCCTCCACAACAACAACGAGGGCCCTTCCGAGTGCCCA
 GCCCAGCCAAATGCACCTATGAGAAATGTCAGTGGAGGTCTGCAGCAAGGGGCTGGCTGGAGACTGAGCC
 CAGAGGAGCGAGGGTGGAGTGGCTGGCCACCGTCGGCTGCCCTGCTGCACTATGAAAACCTGCCCC
 TCTTCTCCTGTGTGGGAGAGCCAAGTCCAACAGCTGAGAGGGGAGGCTGGGGATGATGGGACTCCAAG
 GATGGGCTTACCCGCTCTCAAATGGCTTCCCTGATGGTGAGGAAGATGAAACCCGCTACAGAAGCCCA
 CCAGCACCCGAGCCTCCGCCGTAGTACAGCAGCTTCCCGTCCCTGACCCGCGCCGAGGCTCCCC
 AAGGGTCTTCAACTTTGATTTCCGCCGGCCGGCCCTGAGCCCCAAGGCAGTCAACTACATCCAGGTG
 GAGCTCAAGGGCTGGGGCACAGCCATCCAAGGGGCCCAAGAACCCTCGGTATCTGGAGCTCCTGGGC
 CCACCCACACCTGCTCGAAGCTCAGACTCCTATGCCGTGATTGACCTCAAGAAAACGGTGGCCATGTC
 CAACCTGCAGAGGGCTCTGCCCCGAGATGACGGCACTGTGAGGAAGACTCGGCACAACAGCACCGACCTG
 CCTCT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001017382
- Insert Size:** 1479 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: [NM_001017382.1](#), [NP_001017382.1](#)

RefSeq Size: 1997 bp

RefSeq ORF: 1479 bp

Locus ID: 316213

UniProt ID: [Q52RG8](#)

Cytogenetics: 9q12

Gene Summary: Adapter protein that links FGF and NGF receptors to downstream signaling pathways. Involved in the activation of MAP kinases. Down-regulates ERK2 signaling by interfering with the phosphorylation and nuclear translocation of ERK2 (By similarity).[UniProtKB/Swiss-Prot Function]