

Product datasheet for **RG236791**

FRA1 (FOSL1) (NM_001300844) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | FRA1 (FOSL1) (NM_001300844) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | FRA1 |
| Synonyms: | FRA; fra-1; FRA1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG236791 representing NM_001300844. Blue=ORF Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTCCGAGACTTCGGGAACCCGGCCGAGCTCCGGGAACGGCGGGGTACGGCGGCCCCGCGCAG
CCCCGGCCGAGCGCAGGCAGCCAGCAGAAGTCCACCTGGTGCCAAGCATCAACACCATGAGTGGC
AGTCAGGAGCTGCAGTGGATGGTACAGCCTCATTTCTGGGGCCAGCAGTTACCCAGGCCTCTGACC
TACCCTCAGTACAGCCCCACAACCCGGCCAGGAGTCATCCGGGCCCTGGGGCCGCTCCAGGGGTA
CGTCGAAGGCCTTGTGAACAGGAGACTGACAACTGGAAGATGAGAAATCTGGGCTGCAGCGAGAGATT
GAGGAGCTGCAGAAGCAGAAGGAGCGCCTAGAGCTGGTGTGGAAGCCCACCGACCCATCTGCAAAATC
CCGGAAGGAGCCAAGGAGGGGACACAGGCAGTACCAAGTGGCACCAGCAGCCACCAGCCCCCTGCCGC
CCTGTACCTTGTATCTCCCTTCCAGGGCCTGTGCTTGAACCTGAGGCACTGCACACCCCACTC
ATGACCACACCTCCCTAACTCCTTTACCCCCAGCCTGGTCTTACCTACCCAGCACTCCTGAGCCT
TGTGCCTCAGCTCATCGCAAGAGTAGCAGCAGCAGCGGAGACCCATCCTCTGACCCCTTGGCTCTCCA
ACCCTCTCGCTTTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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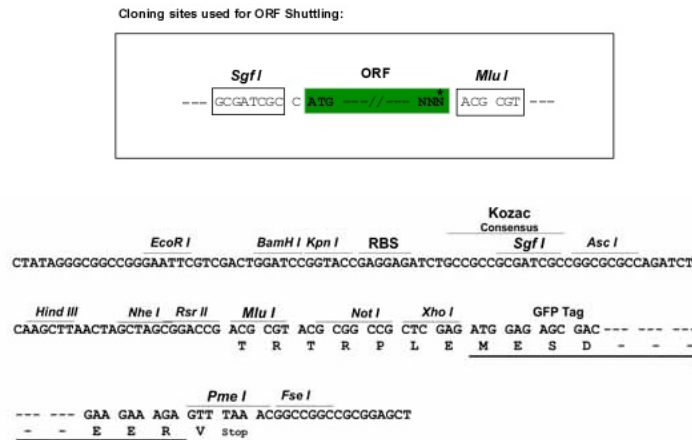
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG236791
 Blue=ORF Red=Cloning site Green=Tag(s)

MFRDFGEPGPSSGNGGGYGGPAQPPAAAQAAQKFKHLVPSINTMSGSQELQWMVQPHFLGPSSYPRPLT
 YPQYSPQPRPGVIRALGPPPVRRRPCEQETDKLEDEKSLQREIEELQKQKERLELVLEAHRPICKI
 PEGAKEGDTGSTSGTSSPPAPCRPVPCISLSPGPVLEPEALHTPLMTTPSLTPFTPSLVFTYPSTPEP
 CASAHKSSSSSSGDPSSDPLGSPDLLAL
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001300844

ORF Size: 705 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

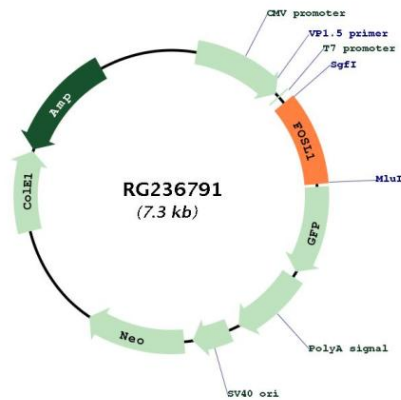
RefSeq: [NM_001300844.2](#)

RefSeq Size: 1651 bp

RefSeq ORF: 708 bp

Locus ID: 8061
UniProt ID: [P15407](#)
Cytogenetics: 11q13.1
Protein Families: Druggable Genome, Transcription Factors
Protein Pathways: Wnt signaling pathway
MW: 25.5 kDa
Gene Summary: The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG236791