

Product datasheet for **RG236553**

FRA1 (FOSL1) (NM_001300856) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FRA1 (FOSL1) (NM_001300856) 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: >RG236553 representing NM_001300856.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTCCGAGACTTCGGGAACCCGCCGAGCTCCGGGAACGGCGGGGTACGGCGGCCCGCGCAG
CCCCGGCCGAGCGCAGGCAGCCAGCAGATCAGCCGGAGGAAGAGGAGCGCCCGAGTAAGGCGC
GAGCGGAACAAGCTGGCTGCGCCAAGTGCAGGAACCGGAGGAAGGAAGTACCGACTTCTGCAGGCG
GAGACTGACAACTGGAAGATGAGAAATCTGGGCTGCAGCGAGAGATTGAGGAGCTGCAGAAGCAGAAG
GAGCGCTAGAGCTGGTGTGGAAGCCACCGACCCATCTGCAAATCCCAGGAGCCAAAGGAGGGG
GACACAGGCAGTACCAGTGGCACCAGCAGCCACCGCCCTGCCGCCCTGTACCTTGTATCTCCCTT
TCCCAGGGCCTGTGTTGAACCTGAGGCACTGCACACCCACACTCATGACCACCCCTCCCTAACT
CCTTTCACCCAGCCTGGTCTTACCTACCCAGCACTCCTGAGCCTTGTGCCTCAGCTCATCGCAAG
AGTAGCAGCAGCAGCGGAGCCATCCTGACCCCTTGGCTCTCCAACCCCTCGCTTTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236553
Blue=ORF Red=Cloning site Green=Tag(s)

```
MFRDFGEPGPSSNGGGYGGPAQPPAAAQAAQISPEEEERRRVRERENKLAAAKCRNRRKELTDFLQA
ETDKLEDEKSLQREIEELQKQKERLELVLEAHRPICKIPEGAKEGDTGSTSGTSSPPAPCRVPICISL
SPGPVLEPEALHTPTLMTTPSLTPFTPSLVFTYPTSTPEPCASAHRKSSSSSGDPSSDPLGSPTLLAL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



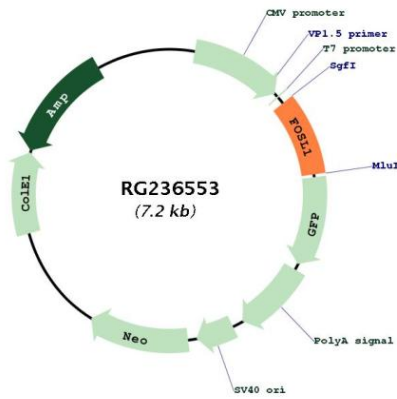
Cloning Scheme:


- ACCN:** NM_001300856
- ORF Size:** 615 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_001300856.2](#)
- RefSeq Size:** 1561 bp
- RefSeq ORF:** 618 bp
- Locus ID:** 8061
- UniProt ID:** [P15407](#)
- Cytogenetics:** 11q13.1
- Protein Families:** Druggable Genome, Transcription Factors
- Protein Pathways:** Wnt signaling pathway
- MW:** 22.4 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 RG236553