

Product datasheet for **SC334447**

FRA1 (FOSL1) (NM_001300856) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FRA1 (FOSL1) (NM_001300856) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOSL1
Synonyms:	FRA; fra-1; FRA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001300856, the custom clone sequence may differ by one or more nucleotides

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ATGTTCCGAGACTTCGGGAACCCGCCCCGAGCTCCGGGAACGGCGCGGGTACGGCGGCCCGCGCAGC  
CCCCGGCCGAGCGCAGGCAGCCAGCATCAGCCGGAGGAAGAGGAGCGCCCGAGTAAGGCGCGA  
GCGGAACAAGCTGGCTGCGGCCAAGTGCAGGAACCGGAGGAAGGAAGTACCGACTTCTGCAGGCGGAG  
ACTGACAAACTGGAAGATGAGAAATCTGGGCTGCAGCGAGAGATTGAGGAGCTGCAGAAGCAGAAGGAGC  
GCCTAGAGCTGGTGTGGAAGCCACCGACCCATCTGCAAATCCCGGAAGGAGCCAAGGAGGGGACAC  
AGGCAGTACCAGTGGCACCAGCAGCCACCAGCCCCCTGCCGCCCTGTACCTTGTATCTCCCTTTCCCA  
GGGCTGTGCTTGAACCTGAGGCACTGCACACCCACACTCATGACCACACCCTCCTAACTCCTTTCA  
CCCCAGCCTGGTCTTACCTACCCAGCACTCCTGAGCCTTGTGCCTCAGCTCATCGCAAGAGTAGCAG  
CAGCAGCGGAGACCCATCCTCTGACCCCTTGGCTCTCCAACCCTCCTCGCTTGTGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001300856
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).



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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_001300856.1](#), [NP_001287785.1](#)

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

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]

Transcript Variant: This variant (4) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (4) has the same N- and C-termini but is shorter compared to isoform 1.