

Product datasheet for **SC110898**

FRA2 (FOSL2) (NM_005253) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FRA2 (FOSL2) (NM_005253) Human Untagged Clone
Tag:	Tag Free
Symbol:	FRA2
Synonyms:	FRA2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_005253 edited
 GAATTCGGCACGAGGCGGCCGGACGAAACGAGCGCGCAGCAGCCGGTGCAGCGGCCGG
 GCGAGGGCGGGGAAGAAAAACACCTGTTTCTCTCCGGCCCCACCGCGGATCATGTA
 CCAGGATTATCCCGGAACTTTGACACCTCGTCCCGGGGAGCAGCGGCTCTCTGCGCA
 CGCCGAGTCTACTCCAGCGGCGGCGGCGGCCAGCAGAAATCCGGGTAGATATGCCTGG
 CTCAGGCAGTGCATTATCCCCACCATCAACGCCATCACGACCAGCCAGGACCTGCAGTG
 GATGGTGCAGCCACAGTGCATCACCTCCATGTCCAACCCATACCCTCGCTCGCACCCCTA
 CAGCCCCCTGCCGGCCTGGCCTCTGTCCCTGGACACATGGCCCTCCAAGACCTGGCGT
 GATCAAGACCATTGGCACACCCTGGGCCGAGGAGAGAGATGAGCAGCTGTCTCTGA
 AGAGGAGGAGAAGCGTCGCATCCGGCGGAGAGGAACAAGCTGGCTGCAGCCAAGTGCCG
 GAACCGACGCCGGGAGCTGACAGAGAAGCTGCAGGCGGAGACAGAGGAGCTGGAGGAGGA
 GAAGTCAGGCCTGCAGAAGGAGATTGCTGAGCTGCAGAAGGAGAAGGAGAAGCTGGAGTT
 CATGTTGGTGGCTCACGGCCAGTGTGCAAGATTAGCCCCGAGGAGCGCCGATCGCCCC
 AGCCCCCTGGGCTGCAGCCATGCGCAGTGGGGTGGCTCGGTGGCGCTGTAGTGGTGAA
 ACAGGAGCCCCTGGAAGAGGACAGCCCCCTCGTCTCGTGGCGGGCTGGACAAGCCCCA
 GGCTCTGTCAAGCCATCAGCATTGCTGGGGCTTCTACGGTGAGGAGCCCCTGCA
 CACCCCATCGTGGTGACCTCCACACCTGCTGTCACTCCGGGCACCTCGAACCTCGTCTT
 CACCTATCCTAGCGTCTGGAGCAGGAGTACCCCGCATCTCCCTCCGAATCCTGCTCAA
 GGCTCACCGCAGAAGCAGTAGCAGCGGGGACCAATCATCAGACTCCTTGAATCCCCAC
 TCTGCTGGCTCTGTAACCCAGTGCACCTCCCTCCCCAGTCCGGAGGGGGTCTCTCTCG
 TCCTCCTTCCCAGGACCAGCACCTTCAAGCGCTCCAGGGCCGTGAGGGCAAGAGGGGA
 CCTGCCACCAGGGAGCTTCTGGCTCTGGGGACCCAGGTGGGACTTAGCAGTGAATATT
 GGAAGACTTGGTTGATCTTTAGAAGCCATGGGACCTCTCCCTCATTATCTTGCAAG
 CAAATCCATTTCTTGAAGCCCTTGGAGAAGTGGTTTGGTAGACTTGGACATCTCTCT
 GGCTTCTGAAGAGCCTGAAGCTGGCCTGGACCATTCTGTCCCTTTGTTACCATACTGTC
 TCTGGAGTGATGGTGTCTTCCCTGCCCCACCACGCATGCTCAGTGCCTTTTGGTTTAC
 CTTCCCTCGACTTGACCTTTTCTCCCCAGCGTCAGTTTCACTCCCTTTGGTTTTTAT
 CAAATTTGCCATGACATTTATCTGGGTGGTCTGAATATTAAGCTTTTCAATTTCTGGAA
 AAACTCGAC

5' Read Nucleotide Sequence: >OriGene 5' read for NM_005253 unedited
 TTCCGATTTTGTAAACGACTTACTATAGGGCGGCCGCGNAATTCGCACGAGGCGGCCGG
 CGGACGAACGAGCGCGCAGCAGCCGGTGCAGCGGCCGGCGAGGGCGGGGAAGAAAAAC
 ACCCTGTTTCTCTCCGGCCCCACCGCGGATCATGTACCAGGATTATCCCGGAACTTT
 GACACCTCGTCCCGGGGAGCAGCGGCTCTCTGCGCACGCCGAGTCTACTCCAGCGGC
 GCGCGCGCCAGCAGAAATCCGGGTAGATATGCCTGGCTCAGGCAGTGCATTATCCCC
 ACCATCAACGCCATCACGACCAGCCAGGACCTGCAGTGGATGGTGCAGCCACAGTGATC
 ACCTCCATGTCCAACCCATACCCTCGCTCGCACCCCTACAGCCCCCTGCCGGCCTGGCC
 TCTGTCCCTGGACACATGGCCCTCCAAGACCTGGCGTGATCAAGACCATTGGCACACC
 GTGGGCCGAGGAGAGAGATGAGCAGCTGTCTCTGAAGAGGAGGAGAAGCGTCGCATC
 CGGCGGGAGAGGAACAAGCTGGCTGCAGCCAAGTCCCGGAACCGACCGGGGAGCTGACA
 GAGAAGCTGCAGGCGGAGACAGAGGAGCTGGAGGAGGAGAAGTCAAGCCTGCAGAAGGAG
 ATTGCTGAGTGCAGAAGGAGAAGGAGAAGCTGGAGTTTATGTTGGTGGCTCACGGCCCA
 GTGTGCAAGATTAGCCCCGAGGAGCGCCGATCGCCCCAGCCCCGGGCTGCAGCCATGC
 GCAGTGGGGGGTGGGCTCGTGGCGCTGTAGTGGTGAACAGGAGCCCCGGNAGAGACA
 GCCNCTCGTCTCGTCCGGGGCTGGGACAGGCCAGCGCTCTGTCAAGCCATCAG
 CATGCTGGNGGCTTCTACNGTGAGGAGCCCTGCCACCCATCGTGGTGACTCAAAGTCTG
 GTCATNCGGGACCTGNAC

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_005253 unedited GNACCCANTAGAAAGTCATGGCAAATTTGATAAAAAACAAAAGGAGTGAAACTGACGCT GGGGGAGGAAAGGGTCAAGTCGAGGGAAGGTGAAACAAAAGCACTGAGCATGCGTGGTG GGGCAGGAAGGACACCATCACTCCAGAGACAGTATGGTAACAAAGGGACAGGAATGGTC CAGGCCAGCTTCAGGCTCTTCAGAAGCCAGAGAGATGTCCAAGTCTACCAAACCGAGTTC TCCAAGGCTTTTCAAGAAATGGGATTTGCTTGAAGATGAATGATGGAGGAGTCCCATG GTTTCTAAGAGATCAACCAAGTCTTCCAATACTCACTGCTAAGTCCCACCTGGGTCCCC CAGAGCCAGGAAGCTCCCTGGTGGCAGGTCCCCCTCTTGCCCTCACGGCCCTGGAGCGCT TGAAGGTGCTGGTCCCTGGGAAGGATGAGCGAGGATGACCCNCTCCNGAGTCTGGGAGGN AGTGAAGTGGGTTACAGAGCCAGCAGAGTGGGGGAGTTCAAGGAGTCTGATGATTGGTCC CCGCTGCTACTGCTNTCTGCGTGAGCCTGGAGCANNGATTCCGAGGAAGATGCCGNTGAC TNNCTGGCTCAGACGCTAGATAAGTGAAGACCAAGTTCNAGTGCCCCGAATGACAGCAGT GTGGGAGTCAACCCGATGGGGTGTTCAGGGCCTCTTACCGTAGAAGCCCCCACCATGCT GAAGGGCTTGATACCAACCCTGGGCCCTGTCCAACCCCCCACAAGAACAAGGGGCTTT CCCCTTCAAGGCCTCCGGTTTAACTTAAGGGCCCAA
Restriction Sites:	NotI-NotI
ACCN:	NM_005253
Insert Size:	1900 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:	<ol style="list-style-type: none"> 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:	<u>NM_005253.3</u> , <u>NP_005244.1</u>
RefSeq Size:	4015 bp
RefSeq ORF:	981 bp
Locus ID:	2355
UniProt ID:	<u>P15408</u>
Cytogenetics:	2p23.2
Domains:	BRLZ
Protein Families:	Druggable Genome, Transcription Factors

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. [provided by RefSeq, Jul 2014]