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Product datasheet for RC236553

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:	Myc-DDK
Symbol:	FOSL1
Synonyms:	FRA; fra-1; FRA1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC236553 representing NM_001300856 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTCCGAGACTTCGGGGAACCCGGCCCGAGCTCCGGGAACGGCGGCGGGTACGGCGGCCCCGCGCAGC CCCCGGCCGCAGCGCAGGCAGCCCAGCAGATCAGCCCGGAGGAAGAGGAGCGCCGCCGAGTAAGGCGCGA GCGGAACAAGCTGGCTGCGGCCAAGTGCAGGAACCGGAGGAAGGAACTGACCGACTTCCTGCAGGCGGAG ACTGACAAACTGGAAGATGAGAAATCTGGGCTGCAGCGAGAGATTGAGGAGCTGCAGAAGCAGAAGGAGC GCCTAGAGCTGGTGCTGGAAGCCCACCGACCCATCTGCAAAATCCCGGAAGGAGCCAAGGAGGGGGACAC AGGCAGTACCAGTGGCACCAGCAGCCCACCAGCCCCCTGCCGCCCTGTACCTTGTATCTCCCTTTCCCCA GGGCCTGTGCTTGAACCTGAGGCACTGCACACCCCCACACTCATGACCACACCCTCCCTAACTCCTTTCA CCCCCAGCCTGGTCTTCACCTACCCCAGCACTCCTGAGCCTTGTGCCTCAGCTCATCGCAAGAGTAGCAG CAGCAGCGGAGACCCATCCTCTGACCCCCTTGGCTCTCCAACCCTCCTCGCTTTG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC236553 representing NM_001300856 Red=Cloning site Green=Tags(s) MFRDFGEPGPSSGNGGGYGGPAQPPAAAQAAQQISPEEEERRRVRRERNKLAAAKCRNRRKELTDFLQAE TDKLEDEKSGLQREIEELQKQKERLELVLEAHRPICKIPEGAKEGDTGSTSGTSSPPAPCRPVPCISLSP GPVLEPEALHTPTLMTTPSLTPFTPSLVFTYPSTPEPCASAHRKSSSSSGDPSSDPLGSPTLLAL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI

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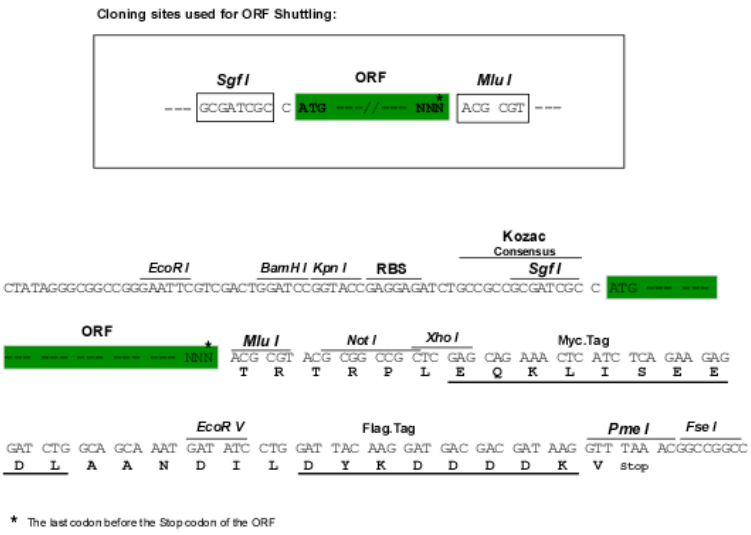
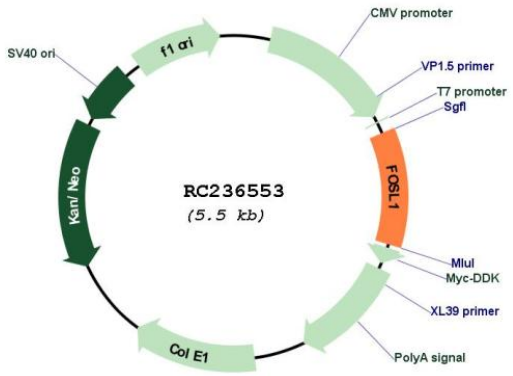
Cloning Scheme:



Plasmid Map:



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).

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_001300856.2
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]