

Product datasheet for SC303207

NFIX (NM_002501) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFIX (NM_002501) Human Untagged Clone
Tag:	Tag Free
Symbol:	NFIX
Synonyms:	CTF; MRSHSS; NF-I/X; NF1-X; NF1A; SOTOS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303207 representing NM_002501. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTACTCCCCGTACTGCCTCACCCAGGATGAGTTCCACCCGTTTCATCGAGGCACTGCTGCCTCACGTC
CGCGCTTTCTCTACACCTGGTTCAACCTGCAGGCGCGGAAGCGCAAGTACTTCAAGAAGCATGAAAAG
CGGATGTCGAAGGACGAGGAGCGGGCGGTGAAGGACGAGCTGCTGGGCGAGAAGCCCGAGATCAAGCAG
AAGTGGGCATCCCGGCTGCTGGCCAAGCTGCGCAAGGACATCCGGCCCGAGTTCGCGGAGGACTTCGTG
CTGACCATCACGGCAAGAAGCCCCCTGCTGCGTGCTCTCCAACCCCGACCAGAAGGGCAAGATCCGG
CGGATTGACTGCCTGCGCCAGGCTGACAAGGTGTGGCGGCTGGACCTGGTCATGGTGATTTTGTTTAAG
GGGATCCCCCTGGAAAGTACTGATGGGGAGCGGCTCTACAAGTCGCCCTCAGTGCTCGAACCCCGGCCCTG
TGCGTCCAGCCACATCACATTGGAGTCAACAATCAAAGAACTGGATCTTTATCTGGCTTACTTTGTCCAC
ACTCCGGAATCCGGACAATCAGATAGTTCAAACCAGCAAGGAGATGCGGACATCAAACCACTGCCAAC
GGGCACTTAAGTTTCCAGGACTGTTTTGTGACTTCCGGGGTCTGGAAATGTGACGGAGCTGGTGAGAGTA
TCACAGACTCCTGTTGCAACAGCATCAGGGCCAACTTCTCCCTGGCGGACCTGGAGAGTCCCAGCTAC
TACAACATCAACCAGGTGACCTGGGGCGGCGTCCATCACCTCCCCTCCTTCCACCAGCACCACCAAG
CGCCCCAAGTCCATCGATGACAGTGAGATGGAGAGCCCTGTTGATGACGTGTTCTATCCCGGACAGGC
CGTTCCCCCAGCAGCTGGCAGCAGCCAGTCCAGCGGGTGGCCCAACGATGTGGATGCAGGCCCGGCTTCT
CTAAAGAAGTCAGGAAAGCTGGACTTCTGCAGTGCCCTCTCCTCTCAGGGCAGCTCCCGCGCATGGCT
TTCACCCACCACCCGCTGCCTGTGCTTGTGAGTCAGACCAGGAGCCCGGGCCACAGCATCAGCC
CTGCACTTCCCCTCCACGTCCATCATCCAGCAGTCGAGCCGATTTTACGCACCCGACCATCCGCTAC
CACCACCACCAGGGCAGGACTCACTGAAGGAGTTTGTGAGTTTGTGCTCGGATGGCTCGGGCCAG
GCCACCGACAGCATTGCAACGACAGGCGCTCCTCTGCCAACCGTTTGTGAGCATCGGACCCCGG
ACGGCAACTTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_002501
Insert Size:	1326 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_002501.3
RefSeq Size:	5576 bp
RefSeq ORF:	1326 bp
Locus ID:	4784
UniProt ID:	Q14938
Cytogenetics:	19p13.13
Protein Families:	Transcription Factors
MW:	48.9 kDa
Gene Summary:	<p>The protein encoded by this gene is a transcription factor that binds the palindromic sequence 5'-TTGGCNNNNNGCCAA-3' in viral and cellular promoters. The encoded protein can also stimulate adenovirus replication in vitro. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2012]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence and lacks an alternate 3' exon compared to variant 1, that causes a frameshift. The resulting isoform (2) has shorter and distinct N- and C-termini compared to isoform 1.</p>