

Product datasheet for **SC122770**

USF1 (NM_007122) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USF1 (NM_007122) Human Untagged Clone
Tag:	Tag Free
Symbol:	USF1
Synonyms:	bHLHb11; FCHL; FCHL1; HYPLIP1; MLTF; MLTFI; UEF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_007122 edited
 ATGGAGATACCTAGGCCGGGAGAGGGGAGAACACAGTTGGAGAAAAATCGGCAGCTGAGACG
 GCCTTGGCCGGACTTAGCACTCAGGCCTGTGAATCAGGAAATACAAAGACCTCCAAAAA
 GGACCAGTTCTCGGATGTGCCCTCACAGAGAGATGAAGGGGAGCAGAAAACAGCTG
 AAACGGAAGAGGGGACAGTGCAGATTAGGAAGGTGCAGTGGCTACTGGGAAGACCCAA
 CCAGTGTGGCTATTGCCAGCATCCAGTCAGTCCACCTTCCCTGACCCCAACGTCAAGT
 ACGTCTTCCGAACTGAGAATGGGGGCCAGGTGATGTACAGGGTGATCCAGGTGTCTGAGG
 GGCAGCTGGATGGCCAAACTGAGGGAAGTGGCGCCATCAGTGGCTACCCTGCCACTCAAT
 CCATGACCAGGCGGTGATCCAGGGTGCTTACCAGTGTGATGCAGTTGACACGGAGG
 GGACAGCTGCTGAGACGCACTATACTTACTTCCCAGCACGGCAGTGGGAGATGGGGCAG
 GGGGTACCACATCGGGGAGTACAGCTGCTGTTGTTACTACCCAGGGCTCAGAGGCACTGC
 TGGGGCAGGCGACCCCTCCTGGCACTGGTCAATTCTTTGTGATGATGTCACCACAAGAAG
 TACTGCAGGGAGGAAGCCAGCGCTCAATTGCCCTAGGACTCACCTTATCCCCGAAGT
 CAGAAGCTCCCCGACGACTCGGGATGAGAAACGCAGGGCTCAGCATAATGAAGTGGAGC
 GTCGCCGCCGAGACAAGATCAACAAGTGGATCGTGCAGCTCTCCAAGATAATCCCAGACT
 GCTCTATGGAGAGCACCAGTCTGGCCAGAGTAAAGGTGGGATTCTATCCAAAGCTTGTG
 ATTATATCCAGGAGCTTCGGCAGAGTAACCACCGCTTGTCTGAAGAACTGCAGGGACTTG
 ACCAACTGCAGCTGGACAATGACGTGCTTCGACAACAGGTGGAAGATCTTAAAAACAAGA
 ATCTGCTGCTTCGAGCTCAGTTGCGGCACCACGGATTAGAGGTGTCATCAAGAAATGACA
 GCAACTAACTATGGGGATTACAGGGGCTTGGGCCCAAGAACTGCAGATAGCCCAGGAGCA
 ACAGCCTAATCCCGTGCCCTTCTTCACTGCCCCACTTCTGGCATGGGACAGGGGGAA
 GTTCAGAAGGTGTGCTTGAAGTGAAGCCCTGTGATATGGCGGCTGCAGTGGTGTGAA
 ACACACAATGTGGACGTGCACTGACAGCCTTGCCACCCCAACCATGCAGCCCTGGGCC
 CTTGTGCTCCTCTCGCACAAATGCATGTGCTGTCTCCATGCTGGTACTGGACACACTAAA
 CTCTGGGGCTTGTCTGTGCTTGTAGAGTGCCAGCAGAGGTTTGTGACAGGTGATG
 CTCTGGCTTGGCCAGGACTCTGGCACTTCCATTGGTTCTTCTTCCCTGGAGCTGAGG
 TTTAGATGTGCAACCTGTGGCTCAGGGGAGCAAGCTTACACAAGAAGTGAAGGAAGGATG
 TTTAGCAGTGGCTGGTCCCATGAAGAGGAGATTGGCCAGTGAAGAGTGAAGGCTATGC
 AGACATCTCTGGAGCCAGAGAGAACAACAGGCAGGGGCCACTTGGGGCCTTCCCCCTTG
 TGGGGTCTGTTTAAAGATAA
 AATTGTTCAAAGCCAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_007122 unedited
 NNAATAGCGTACAAATTTGTATACGACTCATATAGGCCGGCCGNAATTCGCACGAGGAT
 GGAGATACCTAGGCCGGGAGAGGGAGAAACACAGTTGGAGAAAATCGGCAGCTGAGACGG
 CCTTGGCCGACTTAGCACTCAGGCCTGTGAATCAGGAAATACAAAGACCTCCAAAAAAG
 GACCAGTTCTCGGATGTGCCCTCACAGAGAGATGAAGGGGAGCAGAAAACAGCTGA
 AACGGAAGAGGGGACAGTGCAGATTAGGAAGGTGCAGTGGCTACTGGGAAGACCCAAC
 CAGTGTGGCTATTGCCAGCATCCAGTCAGTCCACCTTCCCTGACCCCAACGTCAAGTA
 CGTCTTCCGAACTGAGAAATGGGGCCAGGTGATGTACAGGGTGATCCAGGTGTCTGAGGG
 GCAGCTGGATGGCCAAACTGAGGGAAGTGGCGCCATCAGTGGCTACCCTGCCACTCAATC
 CATGACCCAGGCGGTGATCCAGGGTCTTACCAGTGTGATGCAGTTGACACGGAGGG
 GACAGCTGCTGAGACGCACTATACTTACTTCCCAGCACGGCAGTGGGAGATGGGGCAGG
 GGGTACCACATCGGGGAGTACAGCTGCTGTTGTTACTACCCAGGGCTCAGAGGCACTGCT
 GGGGCAGGCGACCCCTCCTGGCACTGGTCAATTCTTTGTGATGATGTCACCACAAGAAGT
 ACTGCAGGGAGGAAGCCAGCGCTCAATTGCCCTAGGACTCACCTTATCCCCGAAGTC
 AGAAGCTCCCCGACGACTCGGGATGAGAAACGCAGGGCTCAGCATAATGAAGTGGAGCG
 TCCCCGCCGAGACAAGATCAACAAGTGGATCGTGCAGCTCTCCAAGATAATCCAGACGA

Restriction Sites: Please inquire
ACCN: NM_007122

Insert Size:	1798 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:	NM_007122.3 , NP_009053.1
RefSeq Size:	1831 bp
RefSeq ORF:	933 bp
Locus ID:	7391
UniProt ID:	P22415
Cytogenetics:	1q23.3
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>This gene encodes a member of the basic helix-loop-helix leucine zipper family, and can function as a cellular transcription factor. The encoded protein can activate transcription through pyrimidine-rich initiator (Inr) elements and E-box motifs. This gene has been linked to familial combined hyperlipidemia (FCHL). Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been defined on chromosome 21. [provided by RefSeq, Feb 2013]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Both variants 1 and 3 encode isoform 1.</p>