

Product datasheet for **SC308423**

USF2 (NM_207291) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USF2 (NM_207291) Human Untagged Clone
Tag:	Tag Free
Symbol:	USF2
Synonyms:	bHLHb12; FIP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_207291, the custom clone sequence may differ by one or more nucleotides

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ATGGACATGCTGGACCCGGGTCTGGATCCCGCTGCCTCGGCCACCGCTGCTGCCGCCAGCCACGACA  
AGGGACCCGAGGCGGAGGAGGGCGTTCGAGCTGCAGGAAGCGGGGACGGCCAGGAGCGGAGGAGCAGAC  
AGCGGTGGCCATCACCAGCGTCCAGCAGGCGGCGTTCCGGCAGCCACAACATCCAGTACCAGTTCGCACA  
GAGACAAATGGAGGACAGGCTGTGATCCAAAATCCCTTCAGCAATGGTGGCAGTCCGGCGCCGAGGCTG  
TCAGCGGGGAGGCACGATTTGCCTATTTCCAGCGTCCAGTGTGGGAGATACTACGGCTGTGTCGTACA  
GACCACAGACCAGAGCTTGCAGGCTGGAGGCCAGTTCTACGTATGATGACGCCCCAGGATGTGCTTCAG  
ACAGGAACACAGAGGACGATCGCCCCCGACACACCCTTACTCTCCAAAATTGATGGAACCAGAACAC  
CCCAGATGAGAGGAGAAGAGCCAGCACAACGAAGTGGAGCGGAGGCGGAGGACAAGATCAACAACACTG  
GATCGTCCAGCTTTCGAAAATCATTCCAGACTGTAAACGCAGACAACAGCAAGACGGGAGCGAGTAAAGGA  
GGGATCCTGTCCAAGGCCTGCGATTACATCCGGGAGTTGCGCCAGACCAACCAGCGCATGCAAGGAGACCT  
TCAAAGAGGCCGAGCGGCTGCAGATGGACAACGAGCTCCTGAGGCAGCAGATCGAGGAGCTGAAGAATGA  
GAACGCCCTGCTTCGAGCCAGCTGCAGCAGCACAACCTGGAGATGGTGGGCGAGGGCACCCGGCAGTGA
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Restriction Sites:	Please inquire
ACCN:	NM_207291
Insert Size:	800 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).



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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_207291.1 , NP_997174.1
RefSeq Size:	1531 bp
RefSeq ORF:	840 bp
Locus ID:	7392
UniProt ID:	Q15853
Cytogenetics:	19q13.12
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>This gene encodes a member of the basic helix-loop-helix leucine zipper family of transcription factors. The encoded protein can activate transcription through pyrimidine-rich initiator (Inr) elements and E-box motifs and is involved in regulating multiple cellular processes. [provided by RefSeq, Mar 2016]</p> <p>Transcript Variant: This variant (2) lacks a segment in the 5' coding region compared to variant 1. The encoded isoform (2) is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>