

Product datasheet for **SC333248**

USF1 (NM_001276373) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: USF1 (NM_001276373) Human Untagged Clone
Tag: Tag Free
Symbol: USF1
Synonyms: bHLHb11; FCHL; FCHL1; HYPLIP1; MLTF; MLTFI; UEF
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC333248 representing NM_001276373.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAAGGGGCAGCAGAAAACAGCTGAAACGGAAGAGGGGACAGTGCAGATTCAGGAAGGTCAGTGGCT
ACTGGGAAGACCCAACCAAGTGTGGCTATTGCCAGCATCCAGTGCAGTGCACCTTCCCTGACCCCAAC
GTCAAGTACGTCTTCCGAACTGAGAATGGGGGCCAGGTGATGTACAGGGTATCCAGGTGTCTGAGGGG
CAGCTGGATGGCCAACTGAGGGAAGTGGCGCCATCAGTGGCTACCCTGCCACTCAATCCATGACCCAG
GCGGTGATCCAGGGTGTTCACCAGTGTGATGCAGTTGACACGGAGGGGACAGCTGCTGAGACGCAC
TATACTTACTTCCCAGCACGGCAGTGGGAGATGGGGCAGGGGTACCACATCGGGGAGTACAGCTGCT
GTTGTTACTACCCAGGGCTCAGAGGCACTGCTGGGGCAGGCGACCCTCCTGGCACTGGTCAATTTT
GTGATGATGTACCACAAGAAGTACTGCAGGGAGGAAGCCAGCGCTCAATTGCCCTAGGACTCACCTT
TATTCGCCGAAGTCAGAAGTCCCCGGACGACTCGGGATGAGAAACGCAGGGCTCAGCATAATGAAGTG
GAGCGTCGCCCGCAGACAAGATCAACAAGTGGATCGTGCAGCTCTCAAGATAATCCAGACTGCTCT
ATGGAGAGCACCAGTCTGGCCAGAGTAAAGGTGGGATTCTATCCAAAGCTTGTGATTATATCCAGGAG
CTTCGGCAGAGTAACCACCGCTTGTCTGAAGAAGTGCAGGGACTTGACCAACTGCAGCTGGACAATGAC
GTGCTTCGACAACAGGTGAAGATCTTAAAAACAAGAATCTGCTGCTTCGAGCTCAGTTGCGGCACCAC
GGATTAGAGTTCGTCATCAAGAATGACAGCAACTAA
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Restriction Sites: SgfI-MluI
ACCN: NM_001276373
Insert Size: 933 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:

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_001276373.1](#)

RefSeq Size: 1734 bp

RefSeq ORF: 933 bp

Locus ID: 7391

UniProt ID: [P22415](#)

Cytogenetics: 1q23.3

Protein Families: Druggable Genome, Transcription Factors

MW: 33.5 kDa

Gene Summary: 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]

Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Both variants 1 and 3 encode isoform 1.