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Product datasheet for SC333533

UBE2V1 (NM_001257398) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2V1 (NM_001257398) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2V1
Synonyms:	CIR1; CROC-1; CROC1; UBE2V; UEV-1; UEV1; UEV1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333533 representing NM_001257398. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGACACTTACAAGATGGACAGGGATGATAATTGGGCCTCCAAGAACAATTTATGAAAACCGAATATAC AGCCTTAAAATAGAATGTGGACCTAAATACCCAGAAGCACCCCCCTTTGTAAGATTTGTAACAAAAATT AATATGAATGGAGTAAATAGTTCTAATGGAGTGGTGGACCCAAGAGCCATATCAGTGCTAGCAAAATGG CAGAATTCATATAGCATCAAAGTTGTCCTGCAAGAGCTTCGGCGCCTAATGATGTCTAAAGAAAATATG AAACTCCCTCAGCCGCCCGAAGGACAGTGTTACAGCAATTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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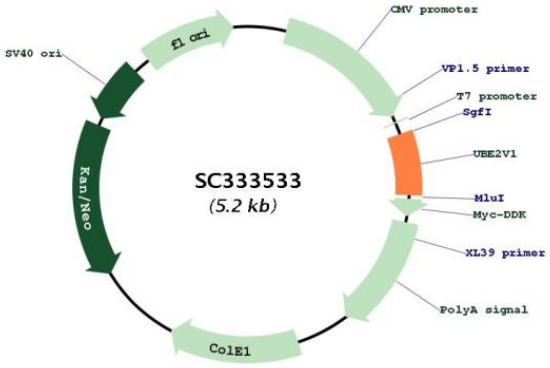
Plasmid Map:



ACCN:	NM_001257398
Insert Size:	318 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_001257398.1
RefSeq Size:	2297 bp
RefSeq ORF:	318 bp
Locus ID:	7335
Cytogenetics:	20q13.13
Protein Families:	Druggable Genome, Transcription Factors
MW:	12 kDa
Gene Summary:	Ubiquitin-conjugating E2 enzyme variant proteins constitute a distinct subfamily within the E2 protein family. They have sequence similarity to other ubiquitin-conjugating enzymes but lack the conserved cysteine residue that is critical for the catalytic activity of E2s. The protein encoded by this gene is located in the nucleus and can cause transcriptional activation of the human FOS proto-oncogene. It is thought to be involved in the control of differentiation by altering cell cycle behavior. Alternatively spliced transcript variants encoding multiple isoforms have been described for this gene, and multiple pseudogenes of this gene have been identified. Co-transcription of this gene and the neighboring upstream gene generates a rare transcript (Kua-UEV), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product. [provided by RefSeq, Apr 2012] Transcript Variant: This variant (10) differs in the 5' UTR, contains an alternate internal exon and initiates translation at a downstream, in-frame start codon, compared to variant 1. Variants 9, 10, 11, 14, and 17 encode the same isoform (g), which has a shorter N-terminus compared to isoform a.