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Product datasheet for RC222103L4V

UBE2V1 (NM_022442) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	UBE2V1 (NM_022442) Human Tagged ORF Clone Lentiviral Particle
Symbol:	UBE2V1
Synonyms:	CIR1; CROC-1; CROC1; UBE2V; UEV-1; UEV1; UEV1A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_022442
ORF Size:	309 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC222103).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_022442.5
RefSeq Size:	2184 bp
RefSeq ORF:	312 bp
Locus ID:	7335
UniProt ID:	Q13404
Cytogenetics:	20q13.13
Domains:	UBCc
Protein Families:	Druggable Genome, Transcription Factors

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MW: 11.8 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]