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Product datasheet for RC200407L3V

UBE2G2 (NM_003343) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	UBE2G2 (NM_003343) Human Tagged ORF Clone Lentiviral Particle
Symbol:	UBE2G2
Synonyms:	UBC7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003343
ORF Size:	495 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200407).`
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_003343.4
RefSeq Size:	3400 bp
RefSeq ORF:	498 bp
Locus ID:	7327
UniProt ID:	P60604
Cytogenetics:	21q22.3
Domains:	UBCc
Protein Families:	Druggable Genome

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Protein Pathways: Parkinson's disease, Ubiquitin mediated proteolysis

MW: 18.6 kDa

Gene Summary: The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein shares 100% sequence identity with the mouse counterpart. This gene is ubiquitously expressed, with high expression seen in adult muscle. Three alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jan 2011]