

Product datasheet for RC223133L3

OriGene Technologies, Inc.

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UBE2V1 (TMEM189-UBE2V1) (NM_199203) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: UBE2V1 (TMEM189-UBE2V1) (NM_199203) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: UBE2V1

Synonyms: CROC-1B; CROC1B; KUA-UEV; TMEM189-UBE2V1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

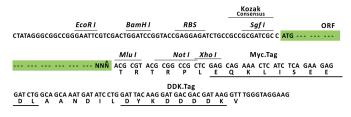
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC223133).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_199203

ORF Size: 1110 bp





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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.

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: <u>NM 199203.1</u>, <u>NP 954673.1</u>

 RefSeq Size:
 2852 bp

 RefSeq ORF:
 1113 bp

 Locus ID:
 387522

 UniProt ID:
 Q13404

 Cytogenetics:
 20q13.13

Protein Families: Transmembrane

MW: 42 kDa

Gene Summary: The TMEM189-UEV mRNA is an infrequent but naturally occurring read-through transcript of

the neighboring TMEM189 and UBE2V1 genes. 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 produced by this transcript has UEV1 B domains but the protein is localized to the cytoplasm rather than to the nucleus. The significance of this read-through mRNA and the function of its protein product has not yet

been determined. [provided by RefSeq, Oct 2010]