

## Product datasheet for RC218483L4

#### OriGene Technologies, Inc.

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## Rad6 (UBE2A) (NM\_181762) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: Rad6 (UBE2A) (NM\_181762) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: Rad6

Synonyms: HHR6A; MRXS30; MRXSN; RAD6A; UBC2

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC218483).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_181762

ORF Size: 366 bp





### Rad6 (UBE2A) (NM\_181762) Human Tagged Lenti ORF Clone - RC218483L4

**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 181762.1</u>

RefSeq Size: 1709 bp
RefSeq ORF: 369 bp
Locus ID: 7319

UniProt ID: P49459

Cytogenetics: Xq24

**Protein Families:** Druggable Genome

**Protein Pathways:** Ubiquitin mediated proteolysis

**MW:** 13.6 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, ubiquitin-conjugating enzymes, and ubiquitin-protein ligases. This gene encodes a member of the E2 ubiquitin-conjugating

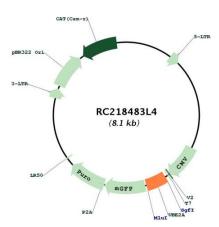
enzyme family. This enzyme is required for post-replicative DNA damage repair, and may play

a role in transcriptional regulation. Mutations in this gene are associated with cognitive disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug

20131



# **Product images:**



Circular map for RC218483L4