

Product datasheet for RC201446L1

OriGene Technologies, Inc.

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UBA1 (NM_003334) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: UBA1 (NM_003334) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: UBA1

Synonyms: A1S9; A1S9T; A1ST; AMCX1; CFAP124; GXP1; POC20; SMAX2; UBA1A; UBE1X; VEXAS

Mammalian Cell None

Selection:

Vector: pLenti-C-Myc-DDK (PS100064)

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

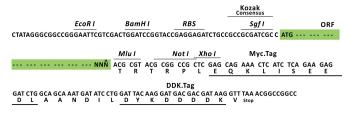
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC201446).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_003334

ORF Size: 3174 bp





UBA1 (NM_003334) Human Tagged Lenti ORF Clone - RC201446L1

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 003334.2</u>

RefSeq Size:3616 bpRefSeq ORF:3177 bpLocus ID:7317

UniProt ID: P22314

Cytogenetics: Xp11.3

Domains: UBACT, ThiF

Protein Pathways: Parkinson's disease, Ubiquitin mediated proteolysis

MW: 117.8 kDa

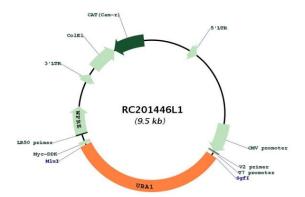
Gene Summary: The protein encoded by this gene catalyzes the first step in ubiquitin conjugation to mark

cellular proteins for degradation. This gene complements an X-linked mouse temperaturesensitive defect in DNA synthesis, and thus may function in DNA repair. It is part of a gene cluster on chromosome Xp11.23. Alternatively spliced transcript variants that encode the

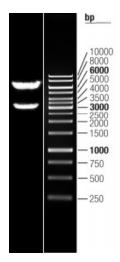
same protein have been described. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC201446L1



Double digestion of RC201446L1 using Sgfl and Mlul $\,$