

Product datasheet for RC201288L4

UBA2 (NM_005499) Human Tagged Lenti ORF Clone

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Product data:

Product Type: Expression Plasmids

Product Name: UBA2 (NM_005499) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: UBA2

Synonyms: ARX; HRIHFB2115; SAE2

Mammalian Cell Puromycin

Selection:

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

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

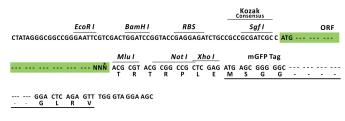
The ORF insert of this clone is exactly the same as(RC201288). **ORF Nucleotide**

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_005499

ORF Size: 1920 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: NM 005499.2

 RefSeq Size:
 2682 bp

 RefSeq ORF:
 1923 bp

 Locus ID:
 10054

 UniProt ID:
 Q9UBT2

Cytogenetics: 19q13.11

Domains: UBACT, ThiF

Protein Pathways: Ubiquitin mediated proteolysis

MW: 71 kDa

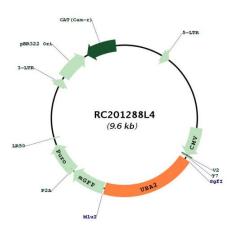
Gene Summary: Posttranslational modification of proteins by the addition of the small protein SUMO (see

SUMO1; MIM 601912), or sumoylation, regulates protein structure and intracellular localization. SAE1 (MIM 613294) and UBA2 form a heterodimer that functions as a SUMO-activating enzyme for the sumoylation of proteins (Okuma et al., 1999 [PubMed 9920803]).

[supplied by OMIM, Mar 2010]



Product images:



Circular map for RC201288L4