

# Product datasheet for RC213039L3

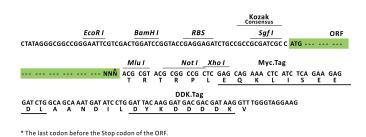
# UBE3A (NM\_130839) Human Tagged Lenti ORF Clone

# **Product data:**

#### OriGene Technologies, Inc.

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Expression Plasmids
UBE3A (NM_130839) Human Tagged Lenti ORF Clone
Myc-DDK
UBE3A
ANCR; AS; E6-AP; EPVE6AP; HPVE6A
Puromycin
pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Chloramphenicol (34 ug/mL)
The ORF insert of this clone is exactly the same as(RC213039).
SgfI-Mlul
Cloning sites used for ORF Shuttling: Sgf I ORF Mlu I GCG ATC GC C ATG // NNN  ACG CGT



ACCN: ORF Size: NM\_130839 2616 bp



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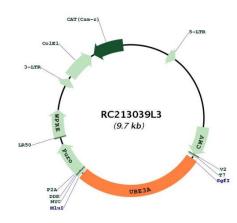
	3A (NM_130839) Human Tagged Lenti ORF Clone – RC213039L3
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <u>More info</u>
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 Metho	<ul> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ul>
RefSeq:	<u>NM 130839.2</u>
RefSeq Size:	5211 bp
RefSeq ORF:	2619 bp
Locus ID:	7337
UniProt ID:	<u>Q05086</u>
Cytogenetics:	15q11.2
Domains:	HECT
Protein Families:	Druggable Genome
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	100.1 kDa

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## **GRIGENE** UBE3A (NM\_130839) Human Tagged Lenti ORF Clone – RC213039L3

Gene Summary:This gene encodes an E3 ubiquitin-protein ligase, part of the ubiquitin protein degradation<br/>system. This imprinted gene is maternally expressed in brain and biallelically expressed in<br/>other tissues. Maternally inherited deletion of this gene causes Angelman Syndrome,<br/>characterized by severe motor and intellectual retardation, ataxia, hypotonia, epilepsy,<br/>absence of speech, and characteristic facies. The protein also interacts with the E6 protein of<br/>human papillomavirus types 16 and 18, resulting in ubiquitination and proteolysis of tumor<br/>protein p53. Alternative splicing of this gene results in three transcript variants encoding<br/>three isoforms with different N-termini. Additional transcript variants have been described,<br/>but their full length nature has not been determined. [provided by RefSeq, Jul 2008]

## **Product images:**



Circular map for RC213039L3

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