

Product datasheet for **MR218638L4V**

Uba3 (NM_001111106) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Uba3 (NM_001111106) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Uba3
Synonyms:	A830034N06Rik; AI256736; AI848246; AW546539; Ube1c
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001111106
ORF Size:	1344 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218638).
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.
RefSeq:	NM_001111106.1 , NP_001104576.1
RefSeq Size:	2401 bp
RefSeq ORF:	1347 bp
Locus ID:	22200
UniProt ID:	Q8C878
Cytogenetics:	6 D3



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Gene Summary:

The protein encoded by this gene is the catalytic subunit of the enzyme that activates NEDD8, a ubiquitin-like molecule that binds to its target proteins through an enzymatic reaction analogous to ubiquitylation. Embryonic mice deficient for this protein die prior to implantation and display apoptosis of the inner cell mass. Trophoblastic cells cannot enter S phase, demonstrating that this gene is required for cell cycle progression during embryogenesis. Two pseudogenes have been found for this gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]