

Product datasheet for **MR211543L4V**

Uba6 (NM_172712) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Uba6 (NM_172712) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Uba6
Synonyms:	4930542H01; 5730469D23Rik; AU021846; AW124799; E1-L2; Ube112
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172712
ORF Size:	3162 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211543).
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_172712.2 , NP_766300.1
RefSeq Size:	5101 bp
RefSeq ORF:	3162 bp
Locus ID:	231380
UniProt ID:	Q8C7R4
Cytogenetics:	5 E1



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Gene Summary:

Activates ubiquitin by first adenylating its C-terminal glycine residue with ATP, and thereafter linking this residue to the side chain of a cysteine residue in E1, yielding a ubiquitin-E1 thioester and free AMP. Specific for ubiquitin, does not activate ubiquitin-like peptides. Differs from UBE1 in its specificity for substrate E2 charging. Does not charge cell cycle E2s, such as CDC34 (By similarity). Essential for embryonic development. Required for UBD/FAT10 conjugation.[UniProtKB/Swiss-Prot Function]