

Product datasheet for **MR219278L4V**

Uba1 (NM_009457) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Uba1 (NM_009457) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Uba1
Synonyms:	A1; A1S9; Sb; Sbx; Ube-1; Ube1x
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009457
ORF Size:	3177 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR219278).
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_009457.3 , NP_033483.1
RefSeq Size:	4068 bp
RefSeq ORF:	3357 bp
Locus ID:	22201
UniProt ID:	Q02053
Cytogenetics:	X 16.15 cM



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Gene Summary:

This gene encodes a member of the ubiquitin-activating E1 family. The encoded protein initiates the ubiquitin activation and transfer cascade, catalyzing the first step in ubiquitin conjugation to mark cellular proteins for proteasome degradation. Ubiquitin activating enzymes use ATP to form a thioester between a conserved catalytic cysteine of the enzyme and the C-terminal carboxylate of ubiquitin. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]