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Product datasheet for RR203186L4V

Rps27a (NM_031113) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rps27a (NM_031113) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Rps27a
Synonyms:	Uba52; Ubb
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_031113
ORF Size:	468 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RR203186).`
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_031113.2, NP_112375.1
RefSeq Size:	996 bp
RefSeq ORF:	471 bp
Locus ID:	100912032
UniProt ID:	P62982
Cytogenetics:	14q22

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Gene Summary: The protein encoded by this gene is a fusion protein that contains ubiquitin at its N-terminus and ribosomal protein S27a at its C-terminus. When the human ortholog of this protein is expressed in yeast, it is processed post-translationally into two products, a free ubiquitin monomer and ribosomal protein S27a, a component of the 40S ribosomal subunit. There are multiple pseudogenes of this gene. There is a locus on chromosome 5 (GeneID:81777) that contains an intact copy of the open reading frame of this gene, that is likely to be the result of retrotransposition of an mRNA into the genome. The transcriptional status of this locus cannot be verified at the present time. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]