

Product datasheet for **MR210277L4V**

Tyw1 (NM_001015876) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tyw1 (NM_001015876) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tyw1
Synonyms:	AW125391; Rsafd1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001015876
ORF Size:	2166 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210277).
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_001015876.1
RefSeq Size:	3046 bp
RefSeq ORF:	2166 bp
Locus ID:	100929
UniProt ID:	Q8BJM7
Cytogenetics:	5 G1.3



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Gene Summary:

Probable component of the wybutosine biosynthesis pathway. Wybutosine is a hyper modified guanosine with a tricyclic base found at the 3'-position adjacent to the anticodon of eukaryotic phenylalanine tRNA. Catalyzes the condensation of N-methylguanine with 2 carbon atoms from pyruvate to form the tricyclic 4-demethylwyosine, an intermediate in wybutosine biosynthesis (By similarity).[UniProtKB/Swiss-Prot Function]