

## Product datasheet for **MR226278L4V**

### Tyrp1 (NM\_031202) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Tyrp1 (NM_031202) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tyrp1
Synonyms:	b; brown; isa; Oca3; TRP-1; TRP1; Tyrp
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_031202
ORF Size:	1611 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226278).
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. <a href="#">More info</a>
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:	<a href="#">NM_031202.3</a> , <a href="#">NP_112479.1</a>
RefSeq Size:	2755 bp
RefSeq ORF:	1614 bp
Locus ID:	22178
UniProt ID:	<a href="#">P07147</a>
Cytogenetics:	4 37.89 cM



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**Gene Summary:**

Plays a role in melanin biosynthesis (PubMed:2245916). Catalyzes the oxidation of 5,6-dihydroxyindole-2-carboxylic acid (DHICA) into indole-5,6-quinone-2-carboxylic acid (PubMed:7813420). May regulate or influence the type of melanin synthesized (PubMed:7813420, PubMed:2245916). Also to a lower extent, capable of hydroxylating tyrosine and producing melanin (PubMed:1537333).[UniProtKB/Swiss-Prot Function]