

## Product datasheet for **MR204912L4V**

### Suclg1 (NM\_019879) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Suclg1 (NM_019879) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Suclg1
Synonyms:	1500000I01Rik; Sucla1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019879
ORF Size:	1002 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204912).
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_019879.1</a> , <a href="#">NP_063932.1</a>
RefSeq Size:	1407 bp
RefSeq ORF:	1041 bp
Locus ID:	56451
UniProt ID:	<a href="#">Q9WUM5</a>
Cytogenetics:	6 C1



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**Gene Summary:**

Succinyl-CoA synthetase functions in the citric acid cycle (TCA), coupling the hydrolysis of succinyl-CoA to the synthesis of either ATP or GTP and thus represents the only step of substrate-level phosphorylation in the TCA. The alpha subunit of the enzyme binds the substrates coenzyme A and phosphate, while succinate binding and specificity for either ATP or GTP is provided by different beta subunits.[UniProtKB/Swiss-Prot Function]