

## Product datasheet for **RC206858L4V**

### Ornithine Decarboxylase (ODC1) (NM\_002539) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Ornithine Decarboxylase (ODC1) (NM_002539) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Ornithine Decarboxylase
Synonyms:	BABS; NEDBA; NEDBIA; ODC
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002539
ORF Size:	1383 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206858).
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_002539.1</a>
RefSeq Size:	2307 bp
RefSeq ORF:	1386 bp
Locus ID:	4953
UniProt ID:	<a href="#">P11926</a>
Cytogenetics:	2p25.1
Domains:	Orn_Arg_deC_N
Protein Families:	Druggable Genome



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**Protein Pathways:** Arginine and proline metabolism, Glutathione metabolism, Metabolic pathways

**MW:** 51.1 kDa

**Gene Summary:** This gene encodes the rate-limiting enzyme of the polyamine biosynthesis pathway which catalyzes ornithine to putrescine. The activity level for the enzyme varies in response to growth-promoting stimuli and exhibits a high turnover rate in comparison to other mammalian proteins. Originally localized to both chromosomes 2 and 7, the gene encoding this enzyme has been determined to be located on 2p25, with a pseudogene located on 7q31-qter. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Dec 2013]