

Product datasheet for **SC336253**

Ornithine Decarboxylase (ODC1) (NM_001287190) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ornithine Decarboxylase (ODC1) (NM_001287190) Human Untagged Clone
Tag: Tag Free
Symbol: ODC1
Synonyms: BABS; NEDBA; NEDBIA; ODC
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC336253 representing NM_001287190.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

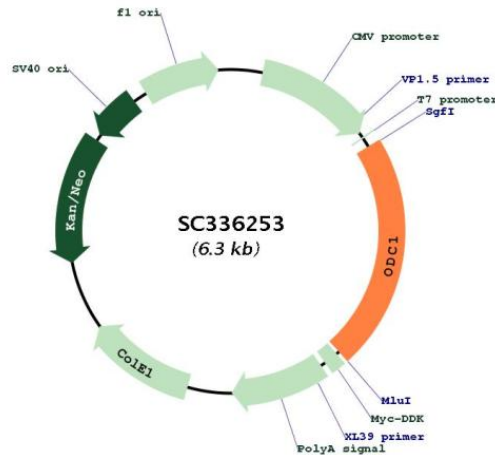
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GTGTAG
  
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001287190

Insert Size: 1386 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001287190.1](#)

RefSeq Size: 2045 bp

RefSeq ORF: 1386 bp

Locus ID: 4953

UniProt ID: [P11926](#)

Cytogenetics:	2p25.1
Protein Families:	Druggable Genome
Protein Pathways:	Arginine and proline metabolism, Glutathione metabolism, Metabolic pathways
MW:	51.1 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) has an alternate 5' UTR exon, compared to variant 1. Variants 1, 3 and 4 encode the same isoform (1).</p>