

### **Product datasheet for MR227375L4**

# Psmd1 (NM\_027357) Mouse Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: Psmd1 (NM 027357) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Psmd1

**Synonyms:** 2410026J11Rik; P112; S1

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

Sgfl-Mlul

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR227375).

Sequence:

Restriction Sites: Cloning Scheme:





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_027357

ORF Size: 2859 bp



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#### Psmd1 (NM\_027357) Mouse Tagged Lenti ORF Clone - MR227375L4

**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.

**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: <u>NM 027357.2</u>, <u>NP 081633.1</u>

RefSeq Size: 3256 bp
RefSeq ORF: 2862 bp
Locus ID: 70247
UniProt ID: Q3TXS7
Cytogenetics: 1 C5

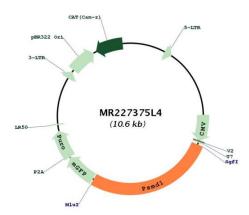
**Gene Summary:** In eukaryotic cells, most proteins in the cytosol and nucleus are degraded via the ubiquitin-

proteasome pathway. The 26S proteasome is a self-compartmentalizing protease comprised of approximately 31 different subunits. It contains a barrel-shaped proteolytic core complex (the 20S proteasome), capped at one or both ends by 19S regulatory complexes, which recognize ubiquitinated proteins. Protein degradation by proteasomes is the source of most antigenic peptides presented on MHC class I molecules. This gene encodes a non-ATPase

subunit of the 26S proteasome. [provided by RefSeq, Jul 2008]



## **Product images:**



Circular map for MR227375L4