

Product datasheet for MR206719L2

OriGene Technologies, Inc.

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Psmd11 (NM_178616) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Psmd11 (NM_178616) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Psmd11

Synonyms: 1700089D09Rik; 1810019E17Rik; 2610024G20Rik; 2810055C24Rik; C78232; P44.5; S9

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

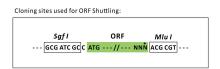
E. coli Selection: Chloramphenicol (34 ug/mL)

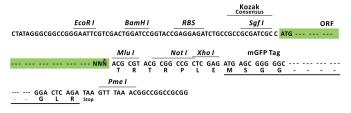
ORF Nucleotide The ORF insert of this clone is exactly the same as(MR206719).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



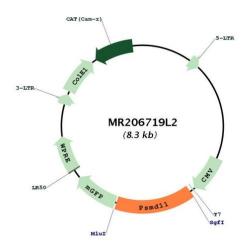


^{*} The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_178616 **ORF Size:** 1269 bp

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 178616.3</u>, <u>NP 848731.2</u>

RefSeq Size: 1743 bp RefSeq ORF: 1269 bp



Psmd11 (NM_178616) Mouse Tagged Lenti ORF Clone - MR206719L2

 Locus ID:
 69077

 UniProt ID:
 Q8BG32

 Cytogenetics:
 11 B5

Gene Summary: Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent

degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. In the complex, PSMD11 is required for proteasome assembly. Plays a key role in increased proteasome activity in embryonic stem cells (ESCs): its high expression in ESCs promotes enhanced assembly of the 26S proteasome, followed by

higher proteasome activity.[UniProtKB/Swiss-Prot Function]