

Product datasheet for RC209829L1

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OriGene Technologies, Inc.

PSMD14 (NM_005805) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PSMD14 (NM_005805) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: PSMD14

Synonyms: PAD1; POH1; RPN11

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC209829).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_005805

ORF Size: 930 bp





OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at customport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 005805.2</u>

 RefSeq Size:
 1734 bp

 RefSeq ORF:
 933 bp

 Locus ID:
 10213

 UniProt ID:
 000487

 Cytogenetics:
 2q24.2

Domains: JAB_MPN

Protein Families: Druggable Genome, Protease

Protein Pathways: Proteasome MW: 34.6 kDa

Gene Summary: This gene encodes a component of the 26S proteasome. The 26S proteasome is a large

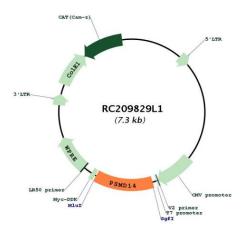
multiprotein complex that catalyzes the degradation of ubiquitinated intracellular proteins.

The encoded protein is a component of the 19S regulatory cap complex of the 26S proteasome and mediates substrate deubiquitination. A pseudogene of this gene is also

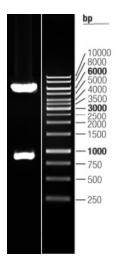
located on the long arm of chromosome 2. [provided by RefSeq, Feb 2012]



Product images:



Circular map for RC209829L1



Double digestion of RC209829L1 using Sgfl and Mlul