

## Product datasheet for **RR214874**

### **Psmd5 (NM\_001106569) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Psmd5 (NM_001106569) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psmd5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR214874 representing NM\_001106569  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGCGCAGGCTGTACTCTGCGGGAGGTGGCGGGCTGGAGGCGCCGCTGGAGGAGCTGCGTG  
 CGCTGCAGTCCGTGGTGCAGGCTGTGCCGCTCCACGAGCTTCGCGAGCAGGCGGCGGAGCTACGCCTTCG  
 CCCGCTGTTCTCCTTGCTTAACCAAGCAATCGGGAACAGACTGCTCTGTGTGTATCCATCTGGAGAGG  
 TTGCTCCAGGCAGTGAACCAATTCATTTGGCCAGGAACCTCAGGCTTGACCTGCAGAGGGGACTGACTC  
 ACCCTGATGACTCTGTAACCAACCTCACCTCTCCAGATTGGGAGGATTGTTGAGGATTCGGAAGCTGT  
 TACTGAGTCTGAGTAATGCTGAACCTCAGGCAAGTGTCTGCTGCATTGGTGGAGAGAATTTATCT  
 GTGGCTAAAGCGGCTATCAATCCCTGTCAAGAATCACTAACCAAGCTGGACTGGAAGCTCTATTTG  
 AAAGTAATTTGCTGGACGATTTGAAAAATGTCATGAAAACAAATGATGTTGTTTCGATACAGGGTGTATGA  
 GCTAATTATAGATATTTCTTCTGTGTCATCAGAATCGTTAAATTACTGTACCACAAGTGGACTGGTGACC  
 CAGCTCCTGAGAGAGCTGACGGGTGAGGACGTGTTAGTCAGAGCCACCTGTATCGAAATGGTGACATCAC  
 TAGCATATACCCATCATGGACGACAATACTTGGCTCAAGAAGGAGTCAATTGACCAGATATCCAATATAAT  
 TGTTGGTGCGATTCAGACCCCTTCTCTGGCTTCTATCTGCCAGGATTTGTGAAGTTTTTGGAAACCTG  
 GCTGTCATGGATAGTCCCTCAGCAGATCTGTGAGCGCTACCCTGTCTTCTGGAGAAAAGTGTGGCAATGG  
 CAGACAGTCAAGACCCCACTATGATTGGTGTGGCTGTAGACACAGTTGGAATCCTGGGATCCAGTGTGGA  
 AGGGAACAAGTTTTACAGAAGACAGGAACCCGCTTTGAACGCCCTCCTCACGAGAATAGGTTATCAAGCA  
 AAGAATGCTTCCACAGAGCTGAAAATTAGGTGTTGGATGCAGTTTCTCTCTTGTACCTATCACCTG  
 AGCAGCAGACTGATGACTTCTGGGAATGACAGAGTCTGGTTTTCTCCGCTGCTCGAGACTCCCTGGA  
 GCTCTTCCGTGGTATCAGTAACCAAGCCCTTCCCTGAACTACACTGTGCTGCCTTGAAGTGTTCACAGCT  
 ATTGCAACCAACCTGGGCTCAGAACTTATGTTTAAACAGTCCAGGTTTTGTGGAGTTTGTGATGGACC  
 GGTCTGTGGAACATGACAAACTTCAAAGGATGCGAAATACGAACTGGTAAAAGCGCTCGCCAATCCAA  
 GACAGTTGCAGAGATCTTTGGAACTCAAATTATTTGAGGCTCAGAACGTACCTAAGTGAAGGGCCATAC  
 TACGTGAAACCTGTTGCCACAACAGCCGTAGAAGGAGCTGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR214874 representing NM\_001106569  
 Red=Cloning site Green=Tags(s)

MAAQAVSLLREVARLEAPLEELRALQSVVQAVPLHELREQAELRLRPLFSLLNQNNREQTALCVSILER  
 LLQAVEPIHLARNLRDLQRGLTHPDDSVKTLTLSQIGRIVEDSEAVTEVLSNAELLRQVVCCIGGENLS  
 VAKAAIKSLSRISLTQAGLEALFESNLLDDLKNVMKTNVVRVRYVELIIDISSVSSESLNYCTTSGLVT  
 QLLRELTGEDVLRATCIEMVTSLAYTHHGRQYLAQEGVIDQISNIIVGADSDPFGFVLPFVKKFFGNL  
 AVMDSPQVICERYPVFLEKVFAMADSDPTMIGVAVDTVGILGSSVEGKQVLQKTGTRFRERLLTRIGYQA  
 KNASTELKIRCLDAVSSLLYLSPEQQTDDFLGMTESWFSSVSRDSLELFRGISNQPFPELHCAALKVFTA  
 IANQPWAQKLMFNSPGFVEFVMDRSVEHDKT SKDAKYELVKALANSKTVAEIFGNSNYLRLRXYLSEGPY  
 YVKPVATTAVEGAD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

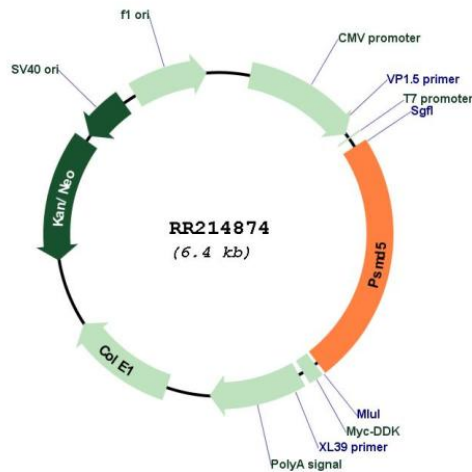
**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001106569

**ORF Size:** 1512 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:** [NM\\_001106569.2](#), [NP\\_001100039.2](#)

**RefSeq Size:** 2071 bp

**RefSeq ORF:** 1515 bp

**Locus ID:** 296651

**Cytogenetics:** 3p11

**MW:** 55.9 kDa