

## Product datasheet for MR229287

### Psip1 (NM\_001290527) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Psip1 (NM\_001290527) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Psip1  
**Synonyms:** AA408851; AU015605; Dfs70; Ledgfa; Ledgfb; Psip2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229287 representing NM\_001290527  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACTCGCGATTTCAAACCTGGAGACCTCATCTTCGCCAAGATGAAAGGTTATCCTCATTGGCCAGCTC  
 GAGTAGATGAAGTTCCTGATGGAGCTGTAAAACCAACCCACAAACAACTACCCATTTTCTTTTTTGAAC  
 CCATGAGACTGCTTTTTTAGGACCAAAGGACATATTTCTTATTCAGAAAATAAGGAAAAGTATGGCAAA  
 CCAATAAACGGAAAGGTTTTAATGAAGGATTGTGGGAGATAGATAACAATCCGAAAAGTAAATTTCAA  
 GTCAACAGGCATCAACTAAACAATCCAATGCATCGTCTGATGTTGAAGTGAAGAAAAAGAGACTAACGT  
 TTCAAAGGAAGACTGATCAGGAAGAAAAGGCCAGCAATGAGGATGTGACTAAAGCAGTTGACATAACC  
 ACTCCAAAAGCTGCCAGGCGAGGAAGAAAGAGAAAAGGCTGAAAAACAAGTAGACTGAAGAGGCGGGAA  
 TGGTGACTGCAGCAACCGCTTCTAATGTGAAAGCAAGTCTAAGAGAGGACGACCTGCAGCTACTGAAGT  
 CAAGATCCCAAACCAAGAGGCAGACCTAAAGTGGTAAAGCAGCCTTGCCTTCAGACGGTGACATGGTT  
 ATTGATGAAGATAAAGTAAAAAAGGGACCAGAGGAGAAAACAACCTAAAAAGCAGCTTAAAAAGAGG  
 AAGAAGGCCAAAAGGAAGAAGAGAAGCCAAGAAAAGAACCAGATAAGAAAAGAGGGAAGAAGAAGTTGA  
 ATCTAAACGGAAAAATTTAGCTAAACCAGGGTTACATCAACCTCTGATTCAGAAGACGAAGACGATCAA  
 GAGGGTAAAAGAAGAGAAGGGTGAAGGAACCTCCAGGCTGCTCACAGGAGGAACATGCTAAAAGGCC  
 AACATGAGAAAAGCTGGAGATCGGAAACGCAAGCAGGAGGAACAAATGGAAACTGAGCACCAAACAAC  
 ATGTAATCTACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229287 representing NM\_001290527  
Red=Cloning site Green=Tags(s)

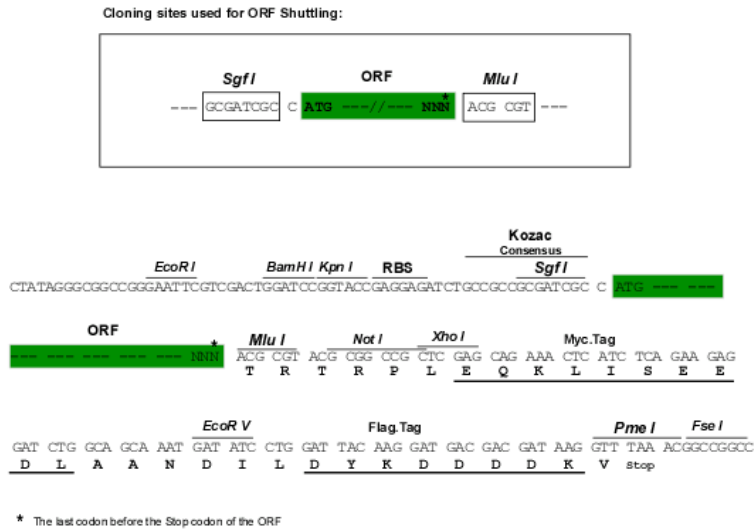
MTRDFKPGDLIFAKMKGYPHWPARVDEVPDGAVKPPTNKLPIFFFGTHETAFLGPKDIFPYSENKEKYGK  
 PNKRKGFNEGLWEIDNNPKVKFSSQASTKQSNASSDVEEKEKTNVSKEDTDQEEKASNEVDTKAVDIT  
 TPKAARRGRKRKAQVDTEEAGMVTAAASNVKASPKRGRPAATEVKIPKPRGRPKVVKQPCPSDGMV  
 IDEDKSKKKGPPEEKQPKKQLKKEEEEGQKEEEKPRKEPKKEGKKEVE SKRKNLAKPGVTSTSDSEDEDDQ  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

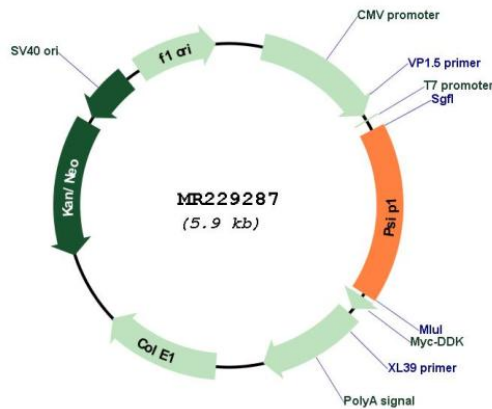
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001290527

**ORF Size:** 993 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001290527.2</a>
<b>RefSeq Size:</b>	1903 bp
<b>RefSeq ORF:</b>	996 bp
<b>Locus ID:</b>	101739
<b>UniProt ID:</b>	<a href="#">Q99JF8</a>
<b>Cytogenetics:</b>	4 C3
<b>MW:</b>	37.9 kDa
<b>Gene Summary:</b>	Transcriptional coactivator involved in neuroepithelial stem cell differentiation and neurogenesis. Involved in particular in lens epithelial cell gene regulation and stress responses. May play an important role in lens epithelial to fiber cell terminal differentiation. May play a protective role during stress-induced apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]