

Product datasheet for **MC227076**

Psip1 (NM_001290527) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psip1 (NM_001290527) Mouse Untagged Clone
Tag: Tag Free
Symbol: Psip1
Synonyms: AA408851; AU015605; Dfs70; Ledgfa; Ledgfb; Psip2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227076 representing NM_001290527
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTCGCGATTTCAAACCTGGAGACCTCATCTTCGCCAAGATGAAAGGTTATCCTCATTGGCCAGCTC
GAGTAGATGAAGTTCCTGATGGAGCTGTAAAACCCACCAAACTACCCATTTCTTTTTTGAAC
CCATGAGACTGCTTTTTAGGACCAAAGGACATATTTCTTATTCAGAAAATAAGGAAAAGTATGGCAA
CCAAATAAACGGAAAGGTTTTAATGAAGGATTGTGGGAGATAGATAACAATCCGAAAGTGAATTTCAA
GTCAACAGGCATCAACTAAACAATCCAATGCATCGTCTGATGTTGAAGTGAAGAAAAAGAGACTAACGT
TTCAAAGGAAGACTGATCAGGAAGAAAAGGCCAGCAATGAGGATGTGACTAAAGCAGTTGACATAACC
ACTCCAAAAGCTGCCAGGCGAGGAAGAAAGAGAAAAGGCTGAAAAACAAGTAGACTGAAGAGGCGGGAA
TGGTGACTGCAGCAACCGCTTCTAATGTGAAAGCAAGTCTAAGAGAGGACGACCTGCAGCTACTGAAGT
CAAGATCCCAAACCAAGAGGCAGACCTAAAGTGGTAAAGCAGCCTTGCCTTCAGACGGTGACATGGTT
ATTGATGAAGATAAAGTAAAAAAGGGACCAGAGGAGAAAACAACCTAAAAAGCAGCTTAAAAAGAGG
AAGAAGGCCAAAAGGAAGAAGAGAAGCCAAGAAAAGAACCAGATAAGAAAAGAAGGAAGAAGAAGTTGA
ATCTAAACGGAAAAATTTAGCTAAACCAGGGTTACATCAACCTCTGATTCAGAAGACGAAGACGATCAA
GAGGGTAAAAGAAGAGAAGGGTGAAGGAACCTCCAGGCTGCTCACAGGAGGAACATGCTAAAAGGCC
AACATGAGAAAAGACTGGAGATCGAAAACGCAAGCAGGAGGAACAAATGGAACTGAGCACCAAACAAC
ATGTAATCTACAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290527



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Insert Size:	996 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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_001290527.1</u> , <u>NP_001277456.1</u>
RefSeq Size:	1903 bp
RefSeq ORF:	996 bp
Locus ID:	101739
UniProt ID:	<u>Q99JF8</u>
Cytogenetics:	4 C3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) contains an alternate 3' exon structure, compared to variant 1. It encodes isoform 2, which is shorter and has a distinct C-terminus, compared to isoform 1.</p>