

Product datasheet for **RR210530**

Psip1 (NM_175765) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psip1 (NM_175765) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psip1
Synonyms:	Ledgf; Psip2; SBP75
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210530 representing NM_175765
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTCGCGATTTCAAACCTGGAGACCTCATCTTCGCCAAGATGAAAGTTATCCTCATTGGCCAGCTC
 GAGTAGATGAAGTTCCTGATGGAGCTGTAAAACCAACCACAAACAACTACCCATTTTCTTTTTGGAAC
 CCACGAGACTGCTTTTTAGGACCAAAGGACATATTTCTTATTAGAAAATAAGGAAAAGTATGGCAAA
 CCAATAAACGAAAAGGTTTTAATGAAGGATTGTGGGAGATAGATAACAATCCAAAAGTAAATTTTCAA
 GTCAACAGGTATCAACCAACAGTCAAATGCATCATCTGATGTTGAAGCGGAAGAAAAGAACTAGTGT
 TTCAAAGGAAGATACTGATCAGGAAGAAAAGCCAGCAATGAAGATGTGACTAAAGCAGCTGACATAACC
 ACTCCAAAAGCTGCCAGGCGAGGAAGAAAGAGAAAGGCTGAAAAACAAGTAGACTGAAGAGCCAGGAG
 TGGTGACTGCAGCGACCGCTTCCAATGTAAAGCAAGTCTAAGAGAGGACGGCTGCAGCTACTGAAGT
 CAAGATCCAAAACCAAGAGGCAGACCTAAAGTGGTAAAACAGCCCTGTCCGTGAGAAAGTGACATGGTT
 ATTGATGAAGACAAAAGTAAAAAAGGGGCCAGAGGAAAAACCCCAAAAAGCAGCTTAAAAAGGAGG
 AAGAAGGCCAAAAGGAAGAGAGAGCCAAAGAAAAGAACCAGATAAGAAAAGGGGAAGAAAAGTTCGA
 ATCTAAACGGAAAAATTTAGCTAAACAGGGGTTACGTCAACCTCTGATTGAGAAGATGATGATCAA
 GAAGGTGAAAAGAAGAGAAAGGGTGAAGACACTTCCAGGCTGCTCACAGGAGGAACATGCTAAAAGGCC
 AACATGAGAAAAGAAGCTGCAGATCGGAAACGCAAGCAGGAGGAACAAATGGAGACTGAGCAGCAGACTAA
 AGATGAAGGAAAAGCCAGAAGTTAAGAAAGTGGAGAAGAAGCGAGAAACATCAATGGATTCTCGACTT
 CAAAGGATACATGCTGAAATTAATAATCACTCAAATGATAATCTAGATGTGAACAGATGCATTGAGG
 CACTGGATGAACCTCGCTTCACTCAGTAAACAATGCAACAAGCTCAGAAACACACAGAGATGATCAAC
 CCTGAAGAAAATCCGGCGGTTCAAAGTCAAGTCAAGTTATCATGGAGAAGTCTACAATGTTGTATAACAAG
 TTTAAGAATATGTTTTGGTGGTGAAGGGGATCCGTCATCACCCAAGTCTAAACAAATCTCTTGCTG
 AACAAAGACAGCATGAGGAAGCAATAAAACCAAGATCAAGGGAAGAAAGGGCCAAACAAAAGCTAGA
 AAAGGAACAAACAGGTACAAAGAGCCTAAATGGAGGATCTGATGCTCAGGAAAAGTATCATCCACAACAT
 AATGGTGACAGTGCAGGAAGAAAGCAAAGACAGCCGTGAGGCCGCGAGTAAAGACAAAGACACCTGGAGAAG
 AGAGAGAGGCTGAAGTATCTCTGAAGGAGTCTACCCTAGATAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210530 representing NM_175765
 Red=Cloning site Green=Tags(s)

MTRDFKPGDLIFAKMKGYPHWPARVDEVPDGAVKPPTNKLPIFFFGTHETAFLGPKDIFPYSENKEYGK
 PNKRKGFNEGLWEIDNPNKVKFSSQVSTKQSNASSDVEAEEKETSVSKEEDTDQEEKASNEVDTKAADIT
 TPKAARRGRKRKAQVDTEEAGVVTAATASNKASPKRGRPAATEVKIPKPRGRPKVVKQPCPSESDMV
 IDEDKSKKKGPEEKPPKKQLKKEEEGQKEEEKPRKEPDKKEGKKEVE SKRKNLAKPGVTSTSDSEEDDDQ
 EGEKRRKGRHFQAHRNMLKGQHEKEAADRKRKQEEQMETEQQTKDEGKKPEVKKVEKKRETSMSRL
 QRTHAEIKNSLKIDNLDVNRCEALDELASLQVTMQQAQKHTEMITLKKIRRFKVSQVIMEKSTMLYNK
 FKNMFLVGEGDSVITQVLNKSLEAQRQHEEANKTKDQGGKGPNNKLEKEQTGTKSLNNGSDAQESNHPQH
 NGDSAEEKSDSREAGSKTKPGEEREAEVSLKESTLDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ACCN:	NM_175765
ORF Size:	1584 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:	<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:	NM_175765.2 , NP_786941.1
RefSeq Size:	2559 bp
RefSeq ORF:	1587 bp
Locus ID:	313323
UniProt ID:	Q812D1
Cytogenetics:	5q31
MW:	59.6 kDa
Gene Summary:	transcription factor; may mediate survival, adhesiveness, and growth of central lens epithelial cells (LECs) [RGD, Feb 2006]