

Product datasheet for RC212915

PSIP1 (NM_021144) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSIP1 (NM_021144) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PSIP1
Synonyms:	DFS70; LEDGF; p52; p75; PAIP; PSIP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212915 representing NM_021144 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGACTCGCGATTTCAAACCTGGAGACCTCATCTTCGCCAAGATGAAAGGTTATCCCCATTGGCCAGCTC
GAGTAGACGAAGTTCCTGATGGAGCTGTAAAGCCACCCACAAACAACTACCCATTTCTTTTTTGGAAAC
TCATGAGACTGCTTTTTTAGGACCAAAGGATATATTTCTTACTCAGAAAATAAGGAAAAGTATGGCAAA
CCAAATAAAAGAAAAGGTTTTAATGAAGGTTTATGGGAGATAGATAACAATCCAAAAGTAAATTTTCAA
GTCAACAGGCAGCAACTAAACAATCAAATGCATCATCTGATGTTGAAGTTGAAGAAAAGGAACTAGTGT
TTCAAAGGAAGATACCGACCATGAAGAAAAAGCCAGCAATGAGGATGTGACTAAAGCAGTTGACATAACT
ACTCCAAAAGCTGCCAGAAGGGGAGAAAAGAGAAAAGGCAGAAAAACAAGTAGAACTGAGGAGGCAGGAG
TAGTGACAACAGCAACAGCATCTGTTAATCTAAAAGTGAGTCCTAAAAGAGGACGACCTGCAGCTACAGA
AGTCAAGATTCAAAACCAAGAGGCAGACCCAAAATGGTAAAACAGCCCTGTCCTTCAGAGAGTGACATC
ATTACTGAAGAGGACAAAAGTAAGAAAAAGGGCAAGAGGAAAAACAACCTAAAAGCAGCCTAAGAAGG
ATGAAGAGGGCCAGAAGGAAGAAGATAAGCCAAGAAAAGAGCCGGATAAAAAAGAGGGGAAGAAAGAAGT
TGAATCAAAAAGGAAAAATTTAGCTAAACAGGGGTTACTTCAACCTCCGATTCTGAAGAAGAAGGAGAT
GATCAAGAAGGTGAAAAGAAGAGAAAAGGTGGGAGGAACCTTCAGACTGCTCACAGAAGGAATATGCTGA
AAGGCCAACATGAGAAAGAAGCAGCAGATCGAAAACGCAAGCAAGAGGAACAAATGGAACTGAGCACCA
AACACATGTAATCTACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC212915 representing NM_021144

Red=Cloning site Green=Tags(s)

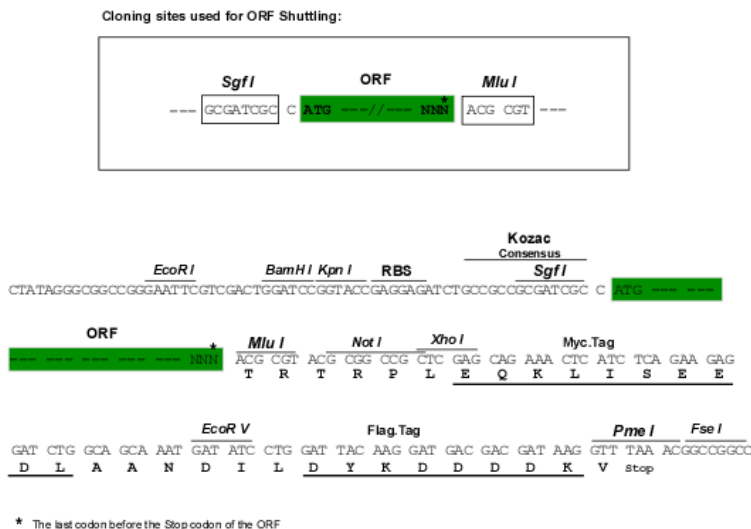
MTRDFKPGDLIFAKMKGYPHWPARVDEVPDGA VKPPTNKLPIFFFGTHETAFLGPKDIFPYSENKEYGK
PNKRKGFNEGLWEIDNNPKVKFSSQQAATKQSNASSDVEEEKETSVSKEDTDHEEKASNEVDVTKAVDIT
TPKAARRGRKRKAQEKQVETEEAGVVTTATASVNLKVPSPKRGRPAATEVKIPKPRGRPKMVKQPCPSES
DIETEDSKKKGQEEKQPKKQPKKDEGQKEEDKPRKPKDKGKEGKEVESKRKNLAKTGVTTSDSEEEGD
DOEGEKKRGGGRNFQTAHRRNMLKGQHEKEAADRKRQEEQMETEHOTTNCLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8052_g12.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_021144

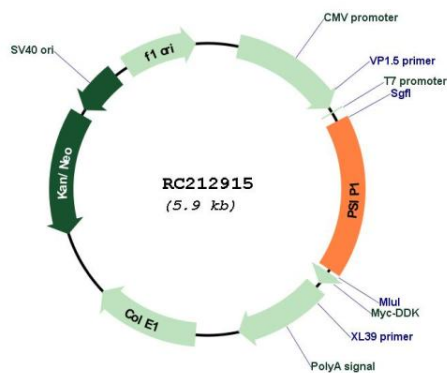
ORF Size: 999 bp

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 custsupport@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:	<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_021144.3
RefSeq Size:	1677 bp
RefSeq ORF:	1002 bp
Locus ID:	11168
UniProt ID:	O75475
Cytogenetics:	9p22.3
Domains:	PWWP
Protein Families:	Stem cell - Pluripotency, Transcription Factors
MW:	37.5 kDa
Gene Summary:	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. Isoform 2 is a more general and stronger transcriptional coactivator. Isoform 2 may also act as an adapter to coordinate pre-mRNA splicing. Cellular cofactor for lentiviral integration.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC212915