

Product datasheet for SC122637

PSP (REG1A) (NM_002909) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSP (REG1A) (NM_002909) Human Untagged Clone
Tag:	Tag Free
Symbol:	REG1 alpha
Synonyms:	ICRF; P19; PSP; PSPS; PSPS1; PTP; REG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002909 edited GAGATTGTTGATTTGCCTCTTAAGCAAGAGATTCATTGCAGCTCAGCATGGCTCAGACCA GCTCATACTTCATGCTGATCTCCTGCCTGATGTTTCTGTCTCAGAGCCAAGGCCAAGAGG CCCAGACAGAGTTGCCCCAGGCCGGATCAGCTGCCAGAAGGCACCAATGCCTATCGCT CCTACTGCTACTACTTTAATGAAGACCGTGAGACCTGGGTTGATGCAGATCTCTATTGCC AGAACATGAATTCGGGCAACCTGGTGTCTGTGCTCACCCAGGCCGAGGGTGCCTTTGTGG CCTCACTGATTAAGGAGAGTGGCACTGATGACTTCAATGTCTGGATTGGCCTCCATGACC CCAAAAAGAACC GCCGCTGGCACTGGAGCAGTGGTCCCTGGTCTCTACAAGTCTGGG GCATTGGAGCCCCAAGCAGTGTTAATCCTGGCTACTGTGTGAGCCTGACCTCAAGCACAG GATTCAGAAATGGAAGGATGTGCCTTGTGAAGACAAGTTCTCCTTTGTCTGCAAGTTCA AAAAGTAGAGGCAGCTGAAAAATACATGTCTAGAAGTATCCAGCAATTACAACGGAGTC AAAAATTAACCGGACCATCTCTCAACTCAACTCAACCTGGACTCTCTTCTCTGCTG AGTTTGCCTTGTAACTTCAATAGTTTTACCTACCCAGTCTTTGGAACCCATAAATAAT AAAAATAAACATGTTTCCACGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002909 unedited G TTCAGAA TATTTGTAATACGACTCACTATAGGGCGGCCGACGATTTCGGCCATTACGGCC G GGGGAGACTCAGCCAACAGAGATTGTTGATTTGCCTCTTAAGCAAGAGATTTCATTGCAGC T CAGCATGGCTCAGACCAGCTCATACTTCATGCTGATCTCCTGCCTGATGTTTCTGTCTC A GAGCCAAGGCCAAGAGGCCAGACAGAGTTGCCCGAGGCCGGATCAGCTGCCCAGAAG G CACCAATGCCTATCGCTCCTACTGCTACTACTTTAATGAAGACCGTGAGACCTGGGTTG A TGCAGATCTCTATTGCCAGAACATGAATTCGGGCAACCTGGTGTCTGTGCTCACCCAGG C CGAGGGTGCCTTTGTGGCCTCACTGATTAAGGAGAGTGCACTGATGACTTCAATGTCT G GATTGGCCTCCATGACCCCAAAAAGAACC GCCCTGGCACTGGAGCAGTGGGTCCCTGG T TCTCTACAAGTCTGGGGCATTGGAGCCCAAGCAGTGTTAATCCTGGTACTGTGTGA G CCTGACCTCAAGCACAGGATTCCAGAAATGGAAGGATGTGCCTTGTGAAGACCAGTTCT C CTTTGTCTGCAAGTTCAAACTAGAGGCAGCTGGAAAATACATGTCTAGAACTGATCCA G CAATTACAACGGAGTCAAAAATTAACCGGACCATCTNTCCAATAAACTCAACCTGGA C ACTCTCTTCTGCTGAAGTTGCCCTTGTTAATCTTCAATGTTTTTACCTACCCAGTC T TTGGAACCTAAATAATAAAAATAAACATGTTTACCGAAAAAAAANANNAAAAANA A NAAAAATGTTGGCCCGCTTGGCCTGAACTCTTAATGGGGCCGGGGCATAACTGTTTC C TGAACGATTCCGGGTGGCTCCCTGTGACCCCTC
Restriction Sites:	Please inquire
ACCN:	NM_002909
Insert Size:	784 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).
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_002909.3 , NP_002900.2
RefSeq Size:	808 bp
RefSeq ORF:	501 bp
Locus ID:	5967
UniProt ID:	P05451
Cytogenetics:	2p12

Gene Summary:

This gene is a type I subclass member of the Reg gene family. The Reg gene family is a multigene family grouped into four subclasses, types I, II, III and IV, based on the primary structures of the encoded proteins. This gene encodes a protein that is secreted by the exocrine pancreas. It is associated with islet cell regeneration and diabetogenesis and may be involved in pancreatic lithogenesis. Reg family members REG1B, REGL, PAP and this gene are tandemly clustered on chromosome 2p12 and may have arisen from the same ancestral gene by gene duplication. [provided by RefSeq, Jul 2008]