

Product datasheet for **SC122746**

REG1 beta (REG1B) (NM_006507) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REG1 beta (REG1B) (NM_006507) Human Untagged Clone
Tag:	Tag Free
Symbol:	REG1 beta
Synonyms:	PSPS2; REGH; REGI-BETA; REGL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_006507 edited CAGAGATTGCTGATTTGCTCCTTAAGCAAGAGATTCAGTCCCGCTAAGCATGGCTCAGAC CAATCGTTCTTCATGCTGATCTCCTGATGTTCTGTCTCTGAGCCAAGGCCAGGA GTCCCAGACAGAGCTGCCTAATCCCGAATCAGCTGCCAGAAAGCACCAATGCCTATCG CTCCTACTGCTACTACTTTAATGAAGACCCTGAGACCTGGGTTGATGCAGATCTCTATTG CCAGAACATGAATTCAGGCAACCTGGTGTCTGTGCTCACCCAGGCGGAGGGTGCCTTCGT GGCCTCACTGATTAAGGAGAGTAGCACTGATGACAGCAATGTCTGGATTGGCCTCCATGA CCCAAAAAAGAACCGCCGCTGGCACTGGAGTAGTGGGTCCTGGTCTCTACAAGTCCTG GGACACTGGATCCCCGAGCAGTGCTAATGCTGGCTACTGTGCAAGCCTGACTTCATGCTC AGGATTCAAGAAATGGAAGGATGAATCTTGTGAGAAGAAGTTCTCCTTTGTTGCAAGTT CAAAACTAGAGGAAGCTGAAAAATGGATGTCTAGAACTGGTCTGCAATTACTATGAAG TCAAAATTAAGTAGACTATGTCTCAACTCAGTTCAGACCATCTCCTCCCTAATGAGT TTGCATCGCTGATCTTCAGTACCTTCACCTGTCTCAGTCTCTAGAGCCCTGAAAAATAAA AACAACTTATTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_006507
Insert Size:	793 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).


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Reconstitution Method:

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_006507.2](#), [NP_006498.1](#)

RefSeq Size: 773 bp

RefSeq ORF: 501 bp

Locus ID: 5968

UniProt ID: [P48304](#)

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 secreted by the exocrine pancreas that is highly similar to the REG1A protein. The related REG1A protein is associated with islet cell regeneration and diabetogenesis, and may be involved in pancreatic lithogenesis. Reg family members REG1A, 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]