

# Product datasheet for RC202773

### PSP (REG1A) (NM\_002909) Human Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	PSP (REG1A) (NM_002909) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	REG1 alpha
Synonyms:	ICRF; P19; PSP; PSPS; PSPS1; PTP; REG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC202773 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCTCAGACCAGCTCATACTTCATGCTGATCTCCTGCCTG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG <b>GTTTAA</b>
Protein Sequence:	>RC202773 protein sequence <mark>Red=</mark> Cloning site Green=Tags(s)
	MAQTSSYFMLISCLMFLSQSQGQEAQTELPQARISCPEGTNAYRSYCYYFNEDRETWVDADLYCQNMNSG NLVSVLTQAEGAFVASLIKESGTDDFNVWIGLHDPKKNRRWHWSSGSLVSYKSWGIGAPSSVNPGYCVSL TSSTGFQKWKDVPCEDKFSFVCKFKN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6145_d07.zip



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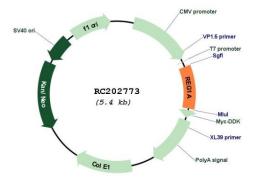
### SP (REG1A) (NM\_002909) Human Tagged ORF Clone – RC202773



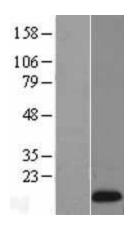
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	PSP (REG1A) (NM_002909) Human Tagged ORF Clone – RC202773
Locus ID:	5967
UniProt ID:	<u>P05451</u>
Cytogenetics:	2p12
MW:	18.7 kDa
Gene Summary:	This gene is a type I subclass member of the Reg gene family. The Reg gene family is a multigene family 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]

## **Product images:**

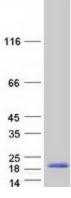


Circular map for RC202773



Western blot validation of overexpression lysate (Cat# [LY401018]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202773 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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Coomassie blue staining of purified REG1A protein (Cat# [TP302773]). The protein was produced from HEK293T cells transfected with REG1A cDNA clone (Cat# RC202773) using MegaTran 2.0 (Cat# [TT210002]).

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