

## Product datasheet for **TP750181**

### **PSP (REG1A) (NM\_002909) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human regenerating islet-derived 1 alpha (REG1A), Gln23-End, with N-terminal His tag, expressed in E.coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding the region(Gln23-End) of REG1A
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	16.3 kDa
<b>Concentration:</b>	Concentration is determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_002900</a></u>
<b>Locus ID:</b>	5967
<b>UniProt ID:</b>	<u><a href="#">P05451</a></u> , <u><a href="#">A8K7G6</a></u>
<b>RefSeq Size:</b>	821
<b>Cytogenetics:</b>	2p12
<b>RefSeq ORF:</b>	498
<b>Synonyms:</b>	ICRF; P19; PSP; PSPS; PSPS1; PTP; REG



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**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]