

## 32-7481: Recombinant Human Regenerating Islet-Derived Protein 1-a/REG1A (C-6His)

**Gene :** REG1A  
**Gene ID :** 5967  
**Uniprot ID :** P05451

### Description

Source: Human Cells.  
MW :17.31kD.

Recombinant Human Regenerating Islet-Derived Protein 1-alpha is produced by our Mammalian expression system and the target gene encoding Gln23-Asn166 is expressed with a 6His tag at the C-terminus. Regenerating Islet-Derived Protein 1-a (REG1A) belongs to the Reg family of secreted proteins with a C-type lectin domain. REG1A is highly expressed levels in fetal and infant brains, much lower in adult brains. REG1A promotes the maintenance and growth of pancreatic islet cells and intestinal villi. In addition to, REG1A Might act as an inhibitor of spontaneous calcium carbonate precipitation and be associated with neuronal sprouting in brain, and with brain and pancreas regeneration.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** QEAQTELPQARISCPGEGTNAYSYCYFNFEDRETWVDADLYCQNMNSGNLVSVLTAEGAFVASLIKESGTDD  
FNVWIGLHDPKKNRRWHWSGSLVSYKSWGIGAPSSVNPYCVSLTSSTGFQKWKDVPCEDKFSFVCKFKNV  
DHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.