

## Product datasheet for **TP306451L**

### **REG1 beta (REG1B) (NM\_006507) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human regenerating islet-derived 1 beta (REG1B), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206451 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAQTNSFFMLISSLMFLSLSQGGQESQTLPNPRISCEPGTNAYRSYCYFNEPDETWVDADLYCQNMNS G NLVSVLTQAEGAFVASLIKESSTDDSNVWIGLHDPKKNRRWHWSSGSLVSYKSWDTGSPSSANAGYCASL TSCSGFKKWKDESCEKKFSFVCKFKN  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	16.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_006498</a></u>
Locus ID:	5968
UniProt ID:	<u><a href="#">P48304</a></u>


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RefSeq Size: 812

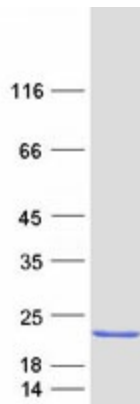
Cytogenetics: 2p12

RefSeq ORF: 498

Synonyms: PSPS2; REGH; REGI-BETA; REGL

**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]

### Product images:



Coomassie blue staining of purified REG1B protein (Cat# [TP306451]). The protein was produced from HEK293T cells transfected with REG1B cDNA clone (Cat# [RC206451]) using MegaTran 2.0 (Cat# [TT210002]).