

REG-1 beta/REG1B Protein, Human (HEK293, His)

Cat. No.:	HY-P76565
Synonyms:	Lithostathine-1-beta; PSP-2; REG-1-beta; PSPS2; REGL
Species:	Human
Source:	HEK293
Accession:	P48304 (Q23-N166)
Gene ID:	5968
Molecular Weight:	Approximately 19-20 kDa

PROPERTIES

AA Sequence	<p>Q E S Q T E L P N P R I S C P E G T N A Y R S Y C Y Y F N E D P E T W V D A D L</p> <p>Y C Q N M N S G N L V S V L T Q A E G A F V A S L I K E S S T D D S N V W I G L</p> <p>H D P K K N R R W H W S S G S L V S Y K S W D T G S P S S A N A G Y C A S L T S</p> <p>C S G F K K W K D E S C E K K F S F V C K F K N</p>
Biological Activity	Measured in a cell proliferation assay using RT4D6P2T rat schwannoma cells. The ED ₅₀ for this effect is 0.657 µg/mL, corresponding to a specific activity is 1.522×10 ³ units/mg.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	REG1B protein potentially acts as an inhibitor of spontaneous calcium carbonate precipitation and may be linked to processes such as neuronal sprouting in the brain, as well as participating in the regeneration of brain and pancreas tissues.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA