

## REG1A Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P77473
Synonyms:	Lithostathine-1-alpha; ICRF; PSPS; PSPS1; REG
Species:	Cynomolgus
Source:	HEK293
Accession:	G8F4F8 (Q23-N166)
Gene ID:	/
Molecular Weight:	Approximately 17&20 kDa

### PROPERTIES

AA Sequence	<p>Q E A Q T D L P Q A    R I S C P E G S N A    Y G S Y C Y Y F N E    D R 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 G    T D D F N V W T 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 I G A P N S V    N P G Y C V S L T S</p> <p>S S G F R K W K D V    P C E D K F S F V C    K F K N</p>
Biological Activity	Measured in a cell proliferation assay using SH-SY5Y cells. The ED <sub>50</sub> for this effect is 1.023 µg/mL, corresponding to a specific activity is 977.517 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 <sub>2</sub> 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	REG1A protein appears to function as an inhibitor of spontaneous calcium carbonate precipitation.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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