

## REG1A Protein, Rat (HEK293, Fc)

<b>Cat. No.:</b>	HY-P77173
<b>Synonyms:</b>	Lithostathine; ICRF; REG; PSP; PTP; REG1
<b>Species:</b>	Rat
<b>Source:</b>	HEK293
<b>Accession:</b>	P10758 (Q22-A165)
<b>Gene ID:</b>	24714
<b>Molecular Weight:</b>	Approximately 43-47 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>Q E A E E D L P S A      R I T C P E G S N A      Y S S Y C Y Y F M E      D H L S W A E A D L</p> <p>F C Q N M N S G Y L      V S V L S Q A E G N      F L A S L I K E S G      T T A A N V W I G L</p> <p>H D P K N N R R W H      W S S G S L F L Y K      S W D T G Y P N N S      N R G Y C V S V T S</p> <p>N S G Y K K W R D N      S C D A Q L S F V C      K F K A</p>
<b>Biological Activity</b>	Measured in a cell proliferation assay using SH-SY5Y cells. The ED <sub>50</sub> for this effect is 1.036 µg/mL, corresponding to a specific activity is 965.251 units/mg.
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	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).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	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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