

CREG1/CREG Protein, Human (HEK293, His)

Cat. No.:	HY-P7849
Synonyms:	rHuProtein CREG1/CREG, His; CREG1; cellular repressor of E1A-stimulated genes; cellular repressor of E1A-stimulated genes 1CREG; protein CREG1
Species:	Human
Source:	HEK293
Accession:	O75629 (R32-Q220)
Gene ID:	8804
Molecular Weight:	20-38 kDa

PROPERTIES

AA Sequence	<p>R G G R D H G D W D E A S R L P P L P P R E D A A R V A R F V T H V S D W G A L</p> <p>A T I S T L E A V R G R P F A D V L S L S D G P P G A G S G V P Y F Y L S P L Q</p> <p>L S V S N L Q E N P Y A T L T M T L A Q T N F C K K H G F D P Q S P L C V H I M</p> <p>L S G T V T K V N E T E M D I A K H S L F I R H P E M K T W P S S H N W F F A K</p> <p>L N I T N I W V L D Y F G G P K I V T P E E Y Y N V T V Q</p>
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	<p>The CREG1/CREG protein emerges as a potential contributor to the transcriptional control of cell growth and differentiation. It plays a pivotal role in antagonizing transcriptional activation and countering cellular transformation induced by the adenovirus E1A protein. Moreover, the transcriptional control activity related to cell growth is contingent on the interaction between CREG1/CREG and IGF2R. Operating as a homodimer, CREG1/CREG also exhibits an interaction with IGF2R that is glycosylation-dependent. These findings suggest a multifaceted role for CREG1/CREG in regulating cellular processes, shedding light on its involvement in transcriptional control mechanisms and its interactions with key cellular components like IGF2R. A more in-depth exploration of these interactions may provide valuable insights into the nuanced molecular</p>
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mechanisms governing cell growth and differentiation.

Caution: Product has not been fully validated for medical applications. For research use only.

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