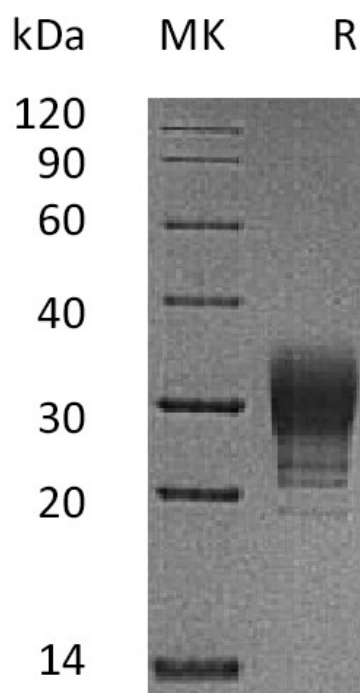


Summary

Name	CREG/CREG1/Protein CREG1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Cellular Repressor Of E1A-stimulated Genes 1 is produced by our Mammalian expression system and the target gene encoding Arg32-Gln220 is expressed with a 6His tag at the C-terminus.
Accession #	O75629
Host	Human Cells
Species	Human
Predicted Molecular Mass	21.9 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

Product Name: Recombinant Human CREG (C-6His)
Catalog #: PHH1924



Alternative Names

CREG1; cellular repressor of E1A-stimulated genes; cellular repressor of E1A-stimulated genes 1CREG; protein CREG1

Background

Cellular repressor of E1A genes (CREG) is an evolutionarily conserved lysosomal protein, and an important new factor in regulating tissue homeostasis that has been shown to antagonize injury of tissues or cells. CREG contains three mannose 6-phosphate (M6P) markers, and depends on interactions with M6P receptors for efficient delivery to lysosomes, which is implicated in the regulation of lysosomal functions. This protein shares limited sequence similarity with E1A and binds both the general transcription factor TBP and the tumor suppressor pRb in vitro. CREG plays an important role in the control of cell growth and differentiation. It has been shown that CREG antagonizes transcriptional and cellular transformation by the adenoviral E1A oncoprotein, induces differentiation while attenuating cellular proliferation, regulates the levels of the signaling kinases ERK1/2, and mediates glucocorticoid-induced proliferation of ileal epithelial cells. CREG is widely expressed in adult tissues, such as the brain, heart, lungs, liver, intestines and kidneys in mice, but is not markedly expressed in pluripotent embryonic stem cells.

Note

For Research Use Only , Not for Diagnostic Use.