Recombinant Human CREG1 Protein (Met1-Gln220), His-tagged

Cat. No. CREG1-1104H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CREG1 Protein (NP_003842.1) (Met1-Gln220) was produced by HEK293 Cells expression system. This protein was expressed with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Gln220
Description	CREG1 belongs to the CREG family. It is a adenovirus E1A protein which both activates and represses gene expression to promote cellular proliferation and inhibit differentiation. Thus it may contribute to the transcriptional control of cell growth and differentiation. The transcriptional control activity of cell growth requires interaction with IGF2R. CREG1 also antagonizes transcriptional activation and cellular transformation by E1A. It shares limited sequence similarity with E1A and binds both the general transcription factor TBP and the tumor suppressor pRb in vitro. CREG1 gene may contribute to the transcriptional control of cell growth and differentiation.
Predicted N Terminal	Arg 32
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

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Molecular Mass	The recombinant human CREG1 consists of 200 amino acids and predicts a molecular mass of 22.5 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	CREG1 cellular repressor of E1A-stimulated genes 1 [Homo sapiens]
Official Symbol	CREG1
Synonyms	CREG1; protein CREG1; CREG;
Gene ID	8804

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mRNA Refseq	NM_003851
Protein Refseq	NP_003842
UniProt ID	O75629

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