## Recombinant Mouse CREG/CREG1 Protein (Fc Tag)

## Catalog Number: PKSM040377

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Species	Mouse
Source	HEK293 Cells-derived Mouse CREG/CREG1 protein Met1-Gln220, with an C-terminal
	hFc
Calculated MW	48.5 kDa
Observed MW	59 kDa
Accession	O88668
Bio-activity	Not validated for activity
Properties	
Purity	>90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80
	°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of
	reconstituted samples are stable at $< -20^{\circ}C$ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4
	Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants
	before lyophilization.
	Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.
Data	
	KDa M
	116
	66.2
	45.0
	35.0
	25.0

> 90 % as determined by reducing SDS-PAGE.

14.4

## Background

CREGI 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. CREGI 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. CREGI gene may contribute to the transcriptional control of cell growth and differentiation.

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