

# Recombinant mouse CREG/CREG1 protein

Catalog Number: ATGP3512

## PRODUCT INFORMATION

**Expression system**

E.coli

**Domain**

32-220aa

**UniProt No.**

O88668

**NCBI Accession No.**

NP\_035934

**Alternative Names**

Cellular repressor of E1A-stimulated genes1, AA755314, Creg

## PRODUCT SPECIFICATION

**Molecular Weight**

24 kDa (213aa)

**Concentration**

1mg/ml (determined by absorbance at 280nm)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

**Purity**

> 95% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**Description**

Creg1, also known as Cellular repressor of E1A-stimulated genes1, was antagonizes transcriptional activation and cellular transformation by E1A. This protein both activates and represses gene expression to promote cellular proliferation and inhibit differentiation. Creg1 increases EC filopodia formation and vascular assembly via ILK-Cdc42 activation and promotes neovascularization, which might be a therapeutic target for ischemic injury. Recombinant mouse Creg1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMRGGRDH GDWDVDRRLP PLPPREDGPR VARFVTHVSD WGSLATISTI  
KEVRGWPFAD IISISDGPPG EGTGEPYMYL SPLQQAVSDL QENPEATLTM SLAQTVYCRN HGFDPQSPLC VHIMMSGTVT  
KVNKTEEDYA RDSLFVRHPE MKHWPSSHNW FFAKLKISRI WVLDYFGGPK VVTPEEYFNV TLQ

### General References

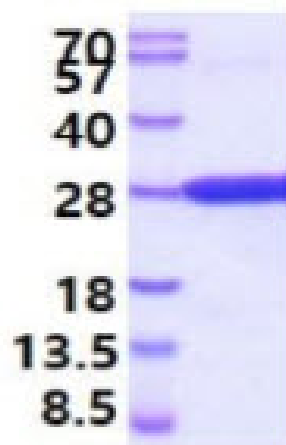
Wang,N., et al. (2011) Atherosclerosis. 218(2):543-51

Yan C., et al. (2014) Front Biosci. 19:1151-61.

## DATA

### SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)