

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 SSSLVPRGSH 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

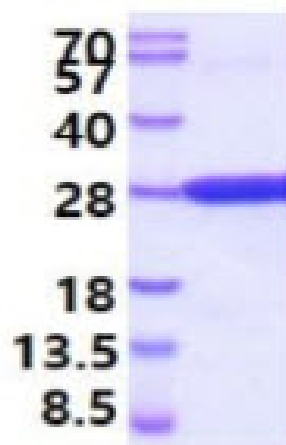
Yan C., et al. (2014) *Front Biosci*. 19:1151-61.

DATA

SDS-PAGE

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

(kDa)



15% SDS-PAGE (3ug)