

## CREG1 Human

**Description:**CREG1 Human Recombinant produced in E. coli is a single polypeptide chain containing 213 amino acids (32-220) and having a molecular mass of 23.6 kDa.CREG1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:**PRPS-1203

For research use only.

**Synonyms:**Cellular repressor of E1A-stimulated genes 1, protein CREG1, CREG.

**Source:**E.coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHH SSGLVPRGSH MGSMRGGRDH GDWDEASRLP  
PLPPREDAAR VARFVTHVSD WGALATISTL EAVRGRPFAD VLSLSDGPPG AGSGVPYFYL  
SPLQLSVSNL QENPYATLTM TLAQTNFCKK HGFDPQSPLC VHIMLSGTVT KVNETEMDIA  
KHSLFIRHPE MKTWPSSHNW FFAKLNITNI WVLDFGGPK ITPPEEYINV TVQ

**Purity:**Greater than 95% as determined by SDS-PAGE.

### Formulation:

The CREG1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

Cellular Repressor of E1A-Stimulated Genes 1 (CREG1) both activates and inhibits gene expression to stimulate cellular proliferation and hinder differentiation. CREG1 antagonizes transcriptional activation and cellular transformation by E1A. CREG1 shares partial sequence similarity with E1A and binds both the general transcription factor TBP and the tumor suppressor pRb in vitro. CREG1 contributes to the transcriptional control of cell growth and differentiation.

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