



Recombinant Protein Technical Manual
Recombinant Mouse CREG/CREG1 Protein (Fc Tag)
RPES0974

Product Data:

Product SKU: RPES0974

Size: 20µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: O88668

Protein Information:

Molecular Mass: 48.5 kDa

AP Molecular Mass: 59 kDa

Tag: C-Fc

Bio-activity:

Purity: > 90 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Storage: 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°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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: CREG1; cellular repressor of E1A-stimulated genes; cellular repressor of E1A-stimulated genes 1CREG; protein CREG1

Immunogen Information:

Sequence: Met1-Gln220

Background:

CREG1 belongs to the CREG family. It is an 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.