

Recombinant human CRCP protein

Catalog Number: ATGP1194

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-148aa

UniProt No.

O75575

NCBI Accession No.

NP_055293

Alternative Names

DNA-directed RNA polymerase III subunit RPC9, CGRP-RCP, CGRPRCP, MGC111194, RCP, RCP9

PRODUCT SPECIFICATION

Molecular Weight

19 kDa (168aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

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

CRCP, also known as CGRP-RCP, is an ubiquitous coupling protein for the calcitonin gene-related peptide and adrenomedullin receptors. It modulates ligand responsiveness in a variety of tissues. It has been DNA-directed RNA polymerase activity, catalytic activity and calcitonin receptor activity. Recombinant human CRCP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MEVKDANSAL LSNYEVFQLL TDLKEQRKES GKNKHSSGQQ NLNTITYETL KYISKTPCRH

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QSPEIVREFL TALKSHKLTk AEKLQLLNHR PVTAVEIQLM VEESEERLTe EQIEALLHTV TSILPAEPEA EQKKNTNSNV
AMDEEDPA

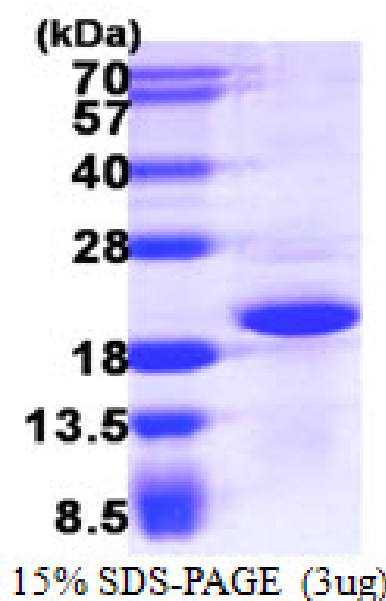
General References

Evans B.N. et al. (2000) J Biol Chem. 275: 31438-31443.

Sams A. et al. (1999) Regul. Pept. 85: 67-75.

DATA

SDS-PAGE



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