

AR50845PU-S

Human CAMP / CAP18 (34-173, His-tag) - Purified

Alternate names:

18 kDa cationic antimicrobial protein, Antibacterial protein LL-37, CAP-18, Cathelicidin antimicrobial peptide, FALL-39, FALL39, HSD26, hCAP-18

Quantity:

20 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

CAMP is a member of an antimicrobial peptide family, characterized by a highly conserved N-terminal signal peptide containing a cathelin domain and a structurally variable cationic antimicrobial peptide, which is produced by extracellular proteolysis from the C-terminus. The protein has several functions in addition to antimicrobial activity, including cell chemotaxis, immune mediator induction and inflammatory response regulation.

Uniprot ID:

[P49913](#)

NCBI:

[NP_004336.3](#)

GeneID:

[820](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Description:

Recombinant human CAMP protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSQVLSYKE AVLRAIDGIN QRSSDANLYR LLDLDPRTM
DGDPTPKPV SFTVKETVCP RTTQQSPEDC DFKKDGLVKR CMGTVTNLQA RGSFDISCDK
DNKRFALLGD FFRKSKEKIG KEFKRIVQRI KDFLRNLVPR TES

Molecular weight: 18.4 kDa (163aa)

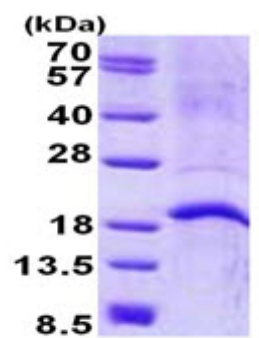
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Nijnik,A.,et al. (2012) J. Leukoc. Biol. 91 (4), 599-607Rosen,G., et al. (2012) Infect. Immun. 80 (3), 1107-1114

Pictures:



15% SDS-PAGE (3ug)