

CAMP, 34-173aa, Human, His tag, E.coli

Cat.NO.: TP01416

3th Edition

Synonyms:Cathelicidin antimicrobial peptide preproprotein , CAP-18, CAP18, CRAMP, FALL-39, FALL39, HSD26, LL37

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

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Molecular Weight:18.4 kDa (163aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSQVLSYKEAVLRAIDGINQRSSDANLYRLLDLDPRPTMDGDPDTPKPVSTVVK
ETVCPRTTQQSPEDCDFKKGDLVKRCMGTVTLNQARGSFDISCDKDNKRFFALLGDFFRKSKEKIGKEFKRIVQRIK
DFLRNLVPRTES

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.