

DEFB118, 21-123aa, Human, His tag, E.coli

Cat.NO.: TP01860

3th Edition

Synonyms: Beta-defensin 118 precursor, C20orf63; DEFB-18; ESC42, ESP13.6

Description: DEFB118 is a member of the beta subfamily of defensins. Beta-defensins are antimicrobial peptides that protect tissues and organs from infection by a variety of microorganisms. Expression of this gene is regulated by androgen, and the encoded protein binds to sperm and exhibits antibacterial activity. This protein is found in a cluster with other beta-defensin genes on the long arm of chromosome 20. Recombinant human DEFB118 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Molecular Weight: 13.8kDa (126aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSYSGEKKCWNRSGHCRKQCKDGEAVKDTCKNLRACCIPSNEDHRRVPATSP
TPLSDSTPGIIDDILTVRFTTDYFEVSSKKDMVEESEAGRGTTETSLPNVHHSS

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.