

**AR51273PU-N****Human DEFB118 (21-123, His-tag) - Purified****Alternate names:** C20orf63, DEFB-18, ESC42, ESP13.6**Quantity:** 0.5 mg**Concentration:** 0.5 mg/ml (determined by Bradford assay)**Background:** 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.**Uniprot ID:** [Q96PH6](#)**NCBI:** [NP\\_473453](#)**GeneID:** [117285](#)**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 0.15M NaCl, 20% glycerol, 1mM DTT.**Description:** Recombinant human DEFB118 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.**AA Sequence:**MGSSHHHHHHH SSGLVPRGSH MGSYSGEKKC WNRSGHCRKQ CKDGEAVKDT CKNLRACCIP  
SNEDHRRVPA TSPTPLSDST PGIIDDILTV RFTTDYFEVS SKKDMVEESE AGRGTETSLP NVHHSS**Molecular weight:** 13.8 kDa (126aa), confirmed by MALDI-TOF**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:** Kao CY, Chen Y, et al. (2003). Am J Respir Cell Mol Biol. 29(1):71-80.  
Schutte BC, Mitros JP, et al. (2002). Proc Natl Acad Sci U S A. 99(4):2129-33.**Pictures:**