
Product Data Sheet

Product Name: DEFB118 Human
 Cat. No.: GP20161
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Beta Defensin 118; Beta-defensin 18; DEFB-18; Defensin; beta 118; Epididymal secretory protein 13.6; ESP13.6; DEFB118; C20orf63; DEFB18; ESC42; Beta-defensin 118 precursor.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSYSGEKKC WNRSGHCRKQ CKDGEAVKDT CKNLRACCIP SNEDHRRVPA TSPTPLSDST PGIIDDILTV RFTTDYFEVS SKKDMVEESE AGRGTETSLP NVHHSS.		
Formulation	DEFB118 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.		

Introduction

Beta Defensin 118 (DEFB118) which is a member of the beta subfamily of defensins, is found in a cluster with other beta-defensin genes on the long arm of chromosome 20. Beta-defensins are antimicrobial peptides which provide protection for tissues and organs from infection by a diversity of microorganisms. DEFB118 protein's expression is regulated by androgen, and the encoded protein binds to sperm and exhibits antibacterial activity.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

DEFB118 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 126 amino acids (21-123 a.a) and having a molecular mass of 13.8kDa. DEFB118 is fused to a 23 amino acid His-tag at N-terminus & purified by

Caution: Product has not been fully validated for medical applications. For research use only.

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proprietary chromatographic techniques.

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