
Product Data Sheet

Product Name: DEFB116 Human
 Cat. No.: GP20160
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Beta-Defensin 16; DEFB-16; Beta 16; defensin; Beta-Defensin116; Defensin; Beta 16; DEFB16.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSGLFRSHN GKSREPWNPC ELYQGMCRNA CREYEIQYLT CPNDQKCCLK LSVKITSSKN VKEDYDSNSN LSVTNSSSYS HI.		
Formulation	DEFB116 protein solution (0.5mg/ml) containing 20mMTris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.		

Introduction

BetaDefensin 116, also known as DEFB116 is a member of the beta-defensin family. DEFB116 has antibacterial activity. The innate immune system includes antimicrobial peptides that protect multicellular organisms from a diverse spectrum of microorganisms. In addition, Beta-Defensins contain one important family of mammalian antimicrobial peptides.

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

DEFB116 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 102 amino acids (24-102 a.a) and having a molecular mass of 11.5kDa.

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

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