Recombinant human DEFB118 protein

Catalog Number: ATGP2453

PRODUCT INFORMATION

Expression system
E.coli

Domain
21-123aa

UniProt No.
Q96PH6

NCBI Accession No.
NP_473453

Alternative Names
Beta-defensin 118 precursor, C20orf63; DEFB-18; ESC42, ESP13.6

PRODUCT SPECIFICATION

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

Concentration
0.5mg/ml (determined by Bradford assay)

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

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

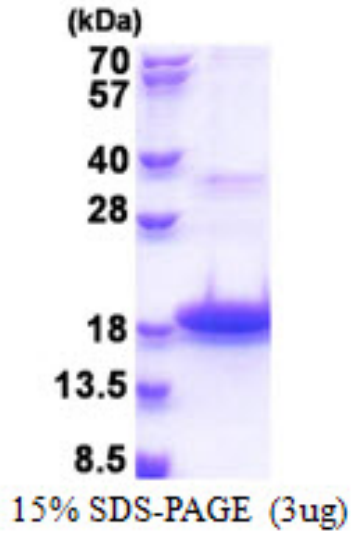
MGSSHHHHHH SSGLVPRGSH MGSYSGEKKC WNRSGHCRKQ CKDGEAVKDT CKNLRACCIP SNEDHRRVPA TSPTPLSDST PGIIDDILTV RFTTDYFEVS SKKDMVEESE AGRGTETSLP NVHHSS

General References

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.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.