

## OriGene Technologies, Inc.

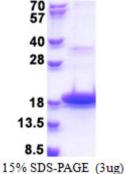
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## AR51273PU-N Human DEFB118 (21-123, His-tag) - Purified

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:	<u>Q96PH6</u>
NCBI:	<u>NP_473453</u>
GenelD:	<u>117285</u>
Species:	Human
Source:	E. coli
Format:	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS - PAGE <b>Buffer System:</b> 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. <b>AA Sequence:</b> MGSSHHHHHH SSGLVPRGSH MGSYSGEKKC WNRSGHCRKQ CKDGEAVKDT CKNLRACCIP SNEDHRRVPA TSPTPLSDST PGIIDDILTV RFTTDYFEVS SKKDMVEESE AGRGTETSLP NVHHSS <b>Molecular weight:</b> 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:	(kDa) 70 57 40



For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

OG/20130805

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