

Recombinant human DEFB118, His-tagged

Cat. No. DEFB118-2453H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DEFB118 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.
Molecular Mass	13.8kDa (126aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSYSGEKKC WNRSGHCRKQ CKDGEAVKDT CKNLRACCIP SNEDHRRVPA TSPTPLSDST PGIIDDILTVRFTTDYFEVS SKKDMVEESE AGRGTETSLP NVHHSS
Purity	>90% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	DEFB118?defensin, beta 118 [?Homo sapiens?(human)]
Official Symbol	DEFB118
Synonyms	DEFB118; ESC42; DEFB-18; ESP13.6; C20orf63; defensin, beta 118; beta-defensin 118; defensin, beta 18; epididymus specific clone 42; epididymal secretory protein 13.6
Gene ID	117285
mRNA Refseq	NM_054112
Protein Refseq	NP_473453
MIM	607650
UniProt ID	Q96PH6
Chromosome Location	20q11.21
Pathway	Beta defensins; Defensins; Immune System; Innate Immune System

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