

## Recombinant Human DEFA1 Protein, His-tagged

**Cat. No.** DEFA1-26186TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human DEFA1 Protein (65-94 aa) with His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	65-94 aa
<b>Description</b>	Defensins are a family of antimicrobial and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces such as those of the intestine, respiratory tract, urinary tract, and vagina. Members of the defensin family are highly similar in protein sequence and distinguished by a conserved cysteine motif. The protein encoded by this gene, defensin, alpha 1, is found in the microbicidal granules of neutrophils and likely plays a role in phagocyte-mediated host defense. Several alpha defensin genes are clustered on chromosome 8. This gene differs from defensin, alpha 3 by only one amino acid. This gene and the gene encoding defensin, alpha 3 are both subject to copy number variation.
<b>Molecular Mass</b>	5 kDa
<b>AASequence</b>	MHHHHHHHHHHHHHACYCRIPACIAGERRYGTCTIYQGRLWAFCC
<b>Endotoxin</b>	< 1 EU/μg by LAL.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	> 90% by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Sterile PBS, pH7.4, 1% SKL
<b>Concentration</b>	0.75 mg/mL by Bradford

## GENE INFORMATION

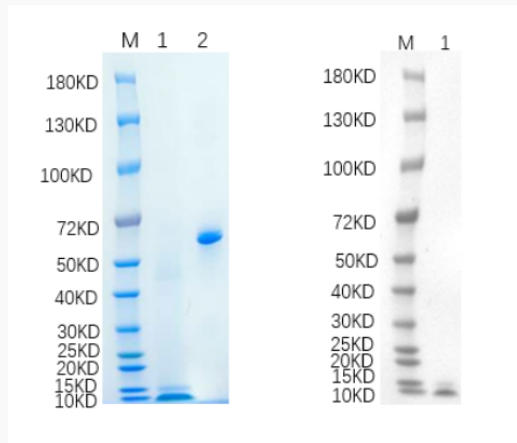
<b>Gene Name</b>	DEFA1 defensin alpha 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	DEFA1
<b>Synonyms</b>	DEFA1; defensin alpha 1; HP1; MRS; DEF1; HP-1; DEFA2; HNP-1; neutrophil defensin 1; defensin, alpha 1, myeloid-related sequence; defensin, alpha 2; myeloid-related sequence
<b>Gene ID</b>	1667
<b>mRNA Refseq</b>	NM_004084
<b>Protein Refseq</b>	NP_004075
<b>MIM</b>	125220
<b>UniProt ID</b>	P11479

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**SDS-PAGE and WB**



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified DEFA1. 1. DEFA1: 1 µg 2. BSA: 1 µg

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA