Recombinant Human DEFA3 protein, His-tagged

Cat. No. DEFA3-1141H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DEFA3 aa. (Pro21~Cys94 (Accession # P59666) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro21~Cys94
Description	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 3, 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 1 by only one amino acid. This gene and the gene encoding defensin, alpha 1 are both subject to copy number variation.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 9.7kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

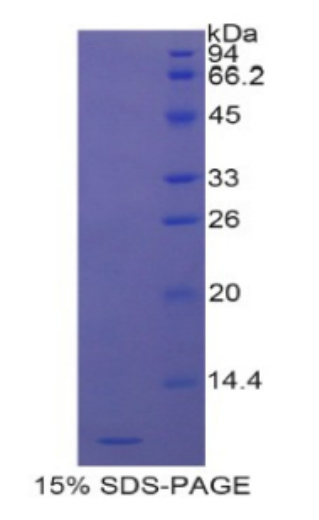
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95%
Characteristic	The isoelectric point is 6.4.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	DEFA3 defensin alpha 3 [Homo sapiens (human)]
Official Symbol	DEFA3
Synonyms	DEFA3; defensin alpha 3; HP3; DEF3; HNP3; HP-3; HNP-3; neutrophil defensin 3; defensin 3, neutrophil-specific; defensin, alpha 3, neutrophil-specific; neutrophil peptide 3
Gene ID	1668

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mRNA Refseq	NM_005217.3
Protein Refseq	NP_005208.1
UniProt ID	P59666
SDS-PAGE	

15% SDS-PAGE

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