

Recombinant Human DEFA1

Cat. No. DEFA1-26678TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Highly pure (>98%) recombinant human alpha Defensin 1.
Species	Human
Source	E.coli
Description	Defensins are a family of microbicidal 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.
Form	Lyophilised
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	Recombinant Human NP-1 is a 3.4 kDa protein containing 30 amino acid residues:AC YCRIPACIAGERRYGYCIYQGRL WAFCC

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Sequence Similarities Belongs to the alpha-defensin family.

GENE INFORMATION

Gene Name	DEFA1 defensin, alpha 1 [Homo sapiens]
Official Symbol	DEFA1
Synonyms	DEFA1; defensin, alpha 1; DEF1, DEFA2, defensin, alpha 1, myeloid related sequence , defensin, alpha 2 , MRS; neutrophil defensin 1; HNP 1;
Gene ID	1667
mRNA Refseq	NM_004084
Protein Refseq	NP_004075
MIM	125220
Uniprot ID	P59665
Chromosome Location	8p23.1
Pathway	Cellular roles of Anthrax toxin, organism-specific biosystem;

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