

## Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-108927-1

LAST UPDATED: 14 OCT 2015

### General information

Name of genetic element

Defensin coding sequence

EN

Alternate genetic element name(s) (synonym(s))

Human neutrophil peptide

EN

Neutrophil defensin

EN

Abbreviation

CS-DEF-HUMAN

EN

Category

Protein coding sequence

Is this genetic element a synthetic molecule?

No

### Donor organism

Donor organism(s)

[BCH-ORGA-SCBD-45743-4](#) ORGANISM | HOMO SAPIENS (HUMAN) |

Mammals

### Characteristics of the protein coding sequence

Name of the protein expressed by the coding sequence

Defensin

EN

Biological function of the protein

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.

EN

Related trait(s) or use(s) in biotechnology

Resistance to diseases and pests

Bacteria

Fungi

### Additional Information

Other relevant website addresses and/or attached documents

? [Defensin - Wikipedia](#) ( *English* )

? [Human defensins](#) ( *English* )

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## Further Information

Questions about the Cartagena Protocol on Biosafety or the operation of the Biosafety Clearing-House may be directed to the Secretariat of the Convention on Biological Diversity.

### **Secretariat of the Convention on Biological Diversity**

413 rue Saint-Jacques, suite 800

Montreal, Québec, H2Y 1N9

Canada

Fax: +1 514 288-6588

Email: [secretariat@cbd.int](mailto:secretariat@cbd.int)