

Product Specification Sheet

□ **Cat. #** SP-77584-5

**Alloferon 1 Peptide**

**SIZE:** 5 mg

Alloferons are a group of antiviral and anti-tumor peptides primarily isolated from insects and stimulating cytotoxic activity of natural killer cells in mammals including mice and humans. Alloferon-1 is currently used in the treatment of persistent viral infections. It has been shown to stimulate antiviral and antitumoral resistance when injected in mice. It also enhances natural cytotoxicity of blood and spleen lymphocytes and induces interferon production in mouse and human.

In vitro experiments reveal that the synthetic alloferons have stimulatory activities on natural killer lymphocytes, whereas in vivo trials indicate induction of IFN production in mice after treatments with synthetic alloferons. Insects may produce cytokine-like materials modulating basic mechanisms for human immunity suggests a source of anti-infection and anti tumoral biopharmaceuticals.

**Sources of Peptide**

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**Sequence:** His-Gly-Val-Ser-Gly-His-Gly-Gln-His-Gly-Val-His-Gly

**Mol Wt:** 1265.3

**Form:** Powder

**Purity** >95%

After reconstitution in water, store solution in small aliquots at -20oC for 3-6 months. Do not freeze and thaw or store diluted solutions.

**Storage:** Store powder at -20oC for up to 6 months.

**Stability:** 6-12 months at -20°C or below.

**Shipping:** 4°C for solutions and room temp for powder

**General References:** Int Immunopharmacol. 2012 Jan;12(1):312-4.; Proc Natl Acad Sci U S A. 2002 Oct 1;99(20):12628-32

\*This product is for In vitro research use only.

**Related items:**

Catalog#	ProdDescription
SP-100504-5	Alloferon 2 (AA: Gly-Val-Ser-Gly-His-Gly-Gln-His-Gly-Val-His-Gly) (MW: 1128.2)
SP-77584-5	Alloferon 1 (AA: His-Gly-Val-Ser-Gly-His-Gly-Gln-His-Gly-Val-His-Gly) (MW: 1265.3)

SP-77584-5

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