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## DATASHEET

LL-37 (13-37) (human)

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### Product overview

<b>Name</b>	LL-37 (13-37) (human)
<b>Cat No</b>	HB9268
<b>Biological description</b>	Peptide fragment of <a href="#">LL-37 (human)</a> . Shows antibacterial, antifungal and antiviral activity. Also inhibits proliferation of drug-resistant and drug-sensitive carcinoma cells to show anticancer activity.
<b>Alternative names</b>	IG-27
<b>Biological action</b>	Peptide
<b>Purity</b>	>95%
<b>Description</b>	Peptide fragment of <a href="#">LL-37 (human)</a>

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### Solubility & Handling

<b>Storage instructions</b>	-20°C
<b>Solubility overview</b>	Soluble in acidic buffer
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

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### Chemical Data

<b>Molecular Weight</b>	3043.6
<b>Molecular Formula</b>	$C_{137}H_{232}N_{42}O_{36}$
<b>Sequence (one letter)</b>	IGKEFKRIVQRIKDFLRNLPRTES
<b>Sequence (three letter)</b>	H-Ile-Gly-Lys-Glu-Phe-Lys-Arg-Ile-Val-Gln-Arg-Ile-Lys-Asp-Phe-Leu-Arg-Asn-Leu-Val-Pro-Arg-Thr-Glu-Ser-OH

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### References

#### Roles and Mechanisms of Human Cathelicidin LL-37 in Cancer

Chen X *et al* (2018) Cell Physiol Biochem 47(3)

**PubMedID** [29843147](#)

#### Little peptide, big effects: the role of LL-37 in inflammation and autoimmune disease

Kahlenberg JM *et al* (2013) J Immunol 191(10)

**PubMedID** [24185823](#)

#### Solution structures of human LL-37 fragments and NMR-based identification of a minimal membrane-targeting antimicrobial and anticancer region

Li X *et al* (2006) J Am Chem Soc 128(17)

**PubMedID** [16637646](#)

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