Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@m2stage.hellobio.com

DATASHEET

LL-37 (13-37) (human)

Product overview

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

Solubility & Handling

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

Chemical Data

Molecular Weight	3043.6
Molecular Formula	$C_{137}H_{232}N_{42}O_{36}$
Sequence (one letter)	IGKEFKRIVQRIKDFLRNLVPRTES
Sequence (three letter)	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

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