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

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

customercare-usa@hellobio.com

DATASHEET

mCRAMP (mouse)

Product overview

Name	mCRAMP (mouse)
Cat No	HB8515
Biological description	Only identified mouse cathelicidin and LL 37 (human) homolog. Displays chemotactic effects (e.g. for monocytes, neutrophils and macrophages) and enhances the adaptive immune response. Down-regulates LPA-induced innate immune responses and shows angiogenic, antimicrobial and antiviral activity.
Alternative names	Mouse calethicidin related antimicrobial peptide
Biological action	Peptide
Purity	>95%
Description	Mouse cathelicidin. LL 37 (human) ortholog.

Solubility & Handling

Storage instructions	-20°C
Solubility overview	Soluble in aqueous 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	3878.65
Molecular Formula	$C_{178}H_{302}N_{50}O_{46}$
Sequence (one letter)	GLLRKGGEKIGEKLKKIGQKIKNFFQKLVPQPEQ
Sequence (three letter)	H-Gly-Leu-Leu-Arg-Lys-Gly-Gly-Glu-Lys-Ile-Gly-Glu-Lys-Leu-Lys-Lys-Ile-Gly-Gln-Lys-Ile-Lys-Asn-Phe-Phe-Gln-Lys-Leu-Val-Pro-Gln-Pro-Glu-Gln-OH

References

The human antimicrobial peptide LL-37, but not the mouse ortholog, mCRAMP, can stimulate signaling by poly(I:C) through a FPRL1-dependent pathway

Singh D *et al* (2013) J Biol Chem 288(12)
PubMedID 23386607

Short, Synthetic Cationic Peptides Have Antibacterial Activity against Mycobacterium smegmatis by Forming Pores in Membrane and Synergizing with Antibiotics

Gupta K *et al* (2015) Antibiotics (Basel) 4(3)
PubMedID 27025629

The Antimicrobial Cathelicidin CRAMP Augments Platelet Activation during Psoriasis in Mice

Salamah MF *et al* (2020) Biomolecules 10(9)
PubMedID 32887440

Cathelicidin mediates innate intestinal defense against colonization with epithelial adherent bacterial pathogens

Iimura M *et al* (2005) J Immunol 174(8)
PubMedID 15814717