

Rev01
Update: Dec,28,2022

DATASHEET

LL37 (Human)

Cat. No.: RP13323

Overview

Description	The cathelicidin anti-microbial peptide LL-37 is involved in the reepithelialization of human skin wounds and is lacking in chronic ulcer epithelium. LL-37(human) is a cathelicidin-derived peptide with antimicrobial and angiogenic activity.
Sequence	{LEU}{LEU}{GLY}{ASP}{PHE}{PHE}{ARG}{LYS}{SER}{LYS}{GLU}{LYS}{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}
Sequence Shortening	LLGDFFRKSKEKIGKEFKRIVQRIKDFLRNLPRTES
Molecular Formula	C ₂₀₅ H ₃₄₀ N ₆₀ O ₅₃
Molecular Weight	4493.28

Properties

Purity	> 95%
Solubility	Insoluble in water. Dissolve the peptide in 10% acetonitrile with 0.1% TFA solution. Further dilute with desired buffer.
Form	Lyophilized
Storage	Store the product at -20°C. Keep container tightly closed. Store in a cool dry place.