

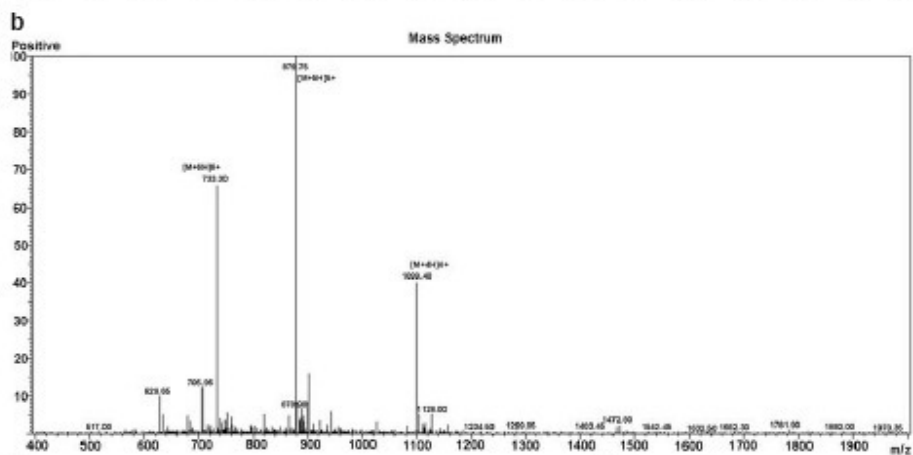
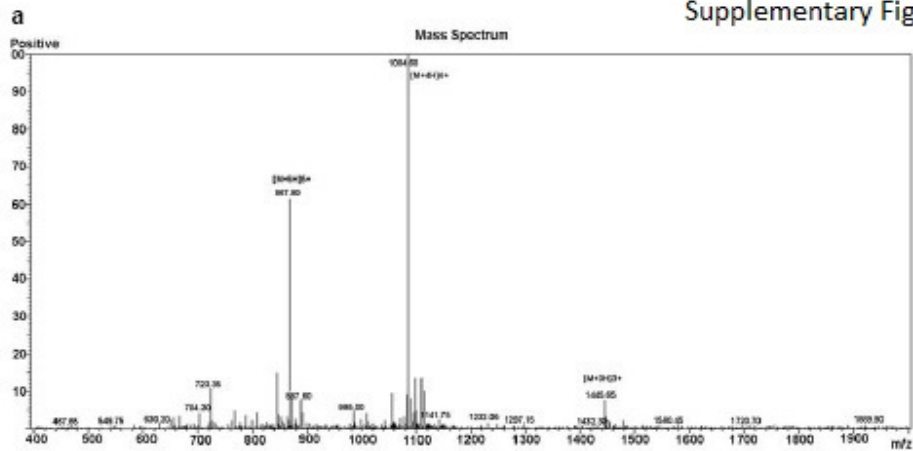
## Supplementary Material

# The Designer Antimicrobial Peptide $\alpha$ -hBd-2 Facilitates Skin Wound Healing by Stimulating Keratinocyte Migration and Proliferation

Bobin Mi<sup>a,b</sup> Jing Liu<sup>a</sup> Yi Liu<sup>a</sup> Liangcong Hu<sup>a</sup> Yukun Liu<sup>b,c</sup> Adriana C. Panayi<sup>b</sup> Wu Zhou<sup>a</sup>  
Guohui Liu<sup>a</sup>

<sup>a</sup>Department of Orthopaedics, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China, <sup>b</sup>Division of Plastic Surgery, Brigham and Women's Hospital, Harvard Medical School, Boston, USA, <sup>c</sup>Department of Plastic Surgery, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China

# Supplementary Figure S1



**c**

Sample Description:  
 Structure: APKAMVTCLKSGAICHVPFCPRRYKQIGTGGLPGTKCKKPK  
 Number: 020046  
 Lot No. P170804-WJ000140  
 Column: 4.6mm\*250mm, Inertsil ODS-SP  
 Solvent A: 0.1% Trifluoroacetic in 100% Acetonitrile  
 Solvent B: 0.1% Trifluoroacetic in 300% Water  
 Gradient:

	A	B
0.01min	18%	82%
25.00min	43%	57%
25.01min	100%	0%
30.00min	Stop	

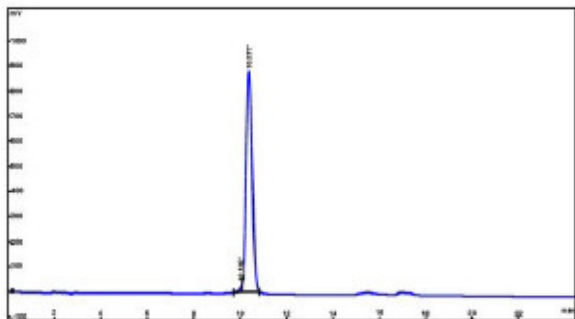
Flow rate: 1.0ml/min  
 Wavelength: 220nm  
 Volume: 10µl

**d**

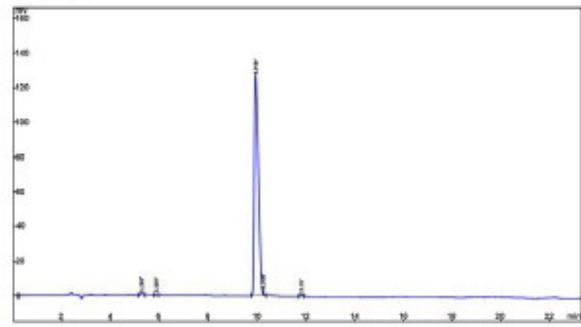
Sample Description:  
 Structure: GIGDPVTLKSGAICHVPFCPRRYKQIGTCGLPGTKCKKPK  
 Number: 020046  
 Lot No. P170804-WJ000140  
 Column: 4.6mm\*250mm, Inertsil ODS-SP  
 Solvent A: 0.1% Trifluoroacetic in 100% Acetonitrile  
 Solvent B: 0.1% Trifluoroacetic in 300% Water  
 Gradient:

	A	B
0.01min	18%	82%
25.00min	43%	57%
25.01min	100%	0%
30.00min	Stop	

Flow rate: 1.0ml/min  
 Wavelength: 220nm  
 Volume: 10µl



Rank	Time	Conc.	Area	Height
1	10.102	1.6427	252546	37837
2	10.377	98.3573	15127563	878197
Total		100	15380209	916034



Rank	Time	Conc.	Area	Height
1	5.268	0.6515	10270	1430
2	5.839	0.1357	2139	332
3	9.918	98.4531	1552015	128440
4	10.260	0.2660	4194	3041
5	11.796	0.4937	7783	3052
Total		100	1576401	132295