

Electronic Supplementary Information

of

**Synergistic effect of BMP-7 derived peptide and cyclic RGD in
regulating differentiation behaviours of mesenchymal stem cells**

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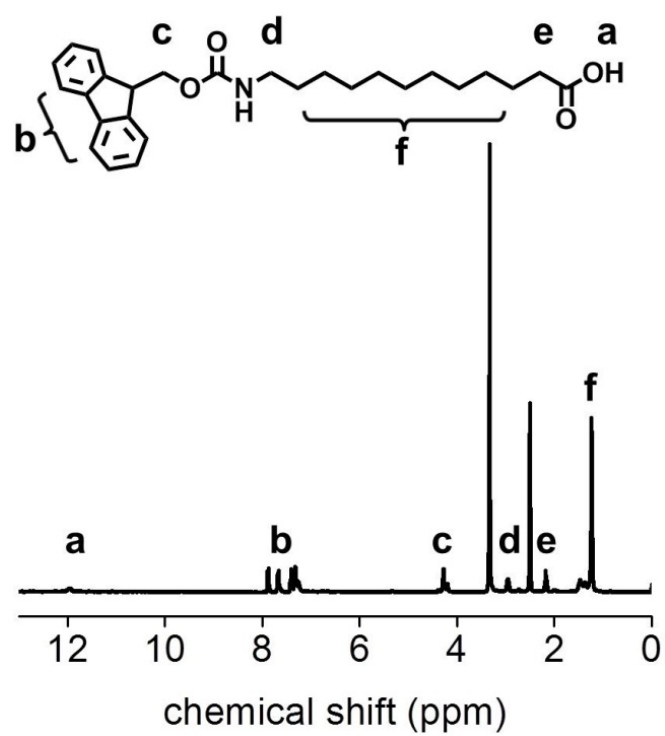


Fig. S1 The ¹H NMR spectrum of Fmoc-C₁₁-COOH.

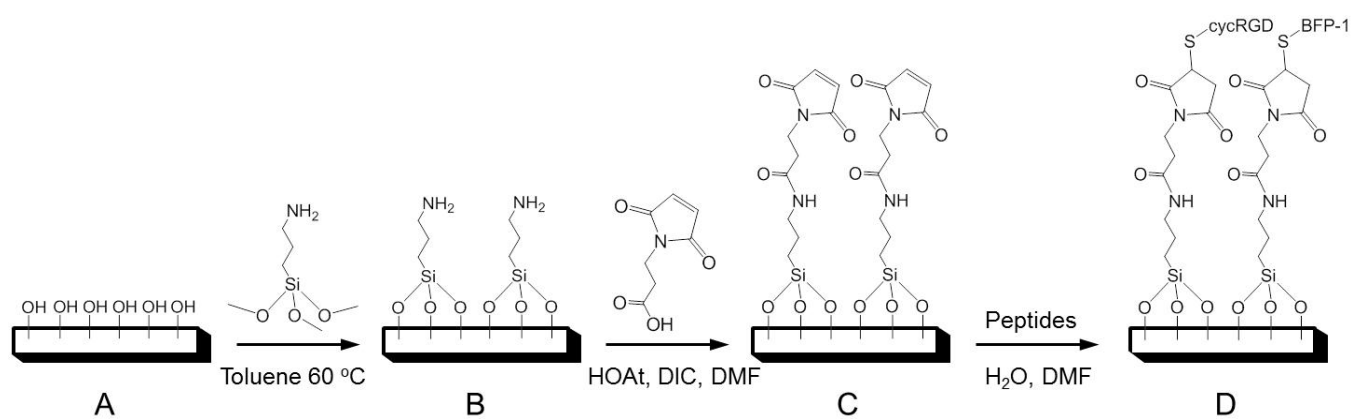


Fig. S2 Preparation of SAM substrate.

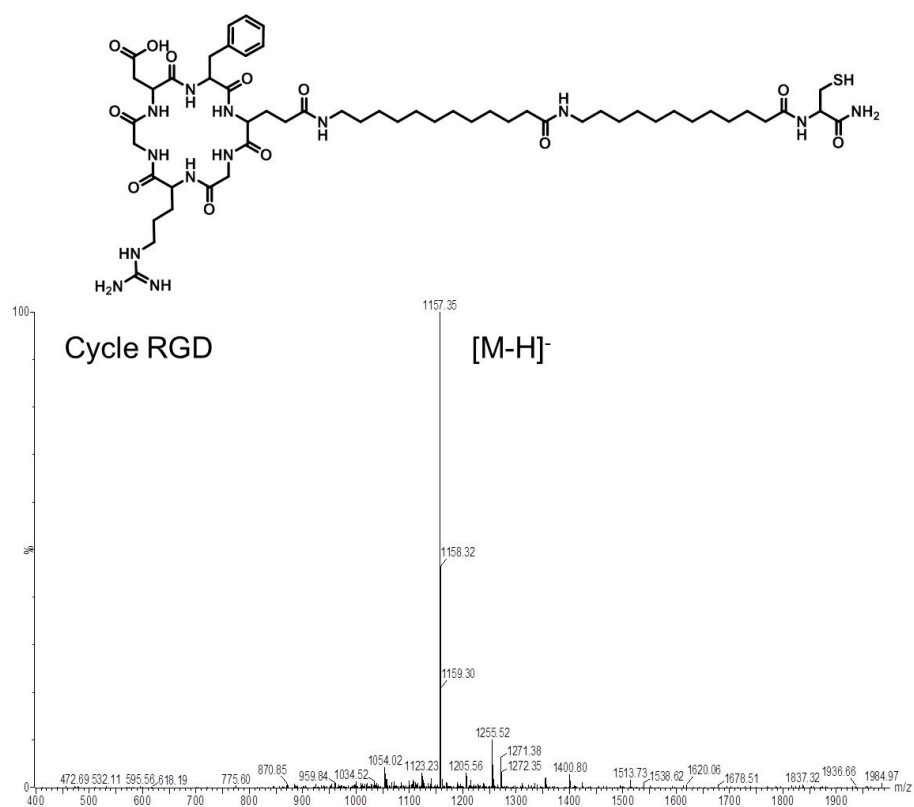


Fig. S3 ESI-MS of cyclopeptide GRGDfE-C₁₂-C₁₂-C-COOH.

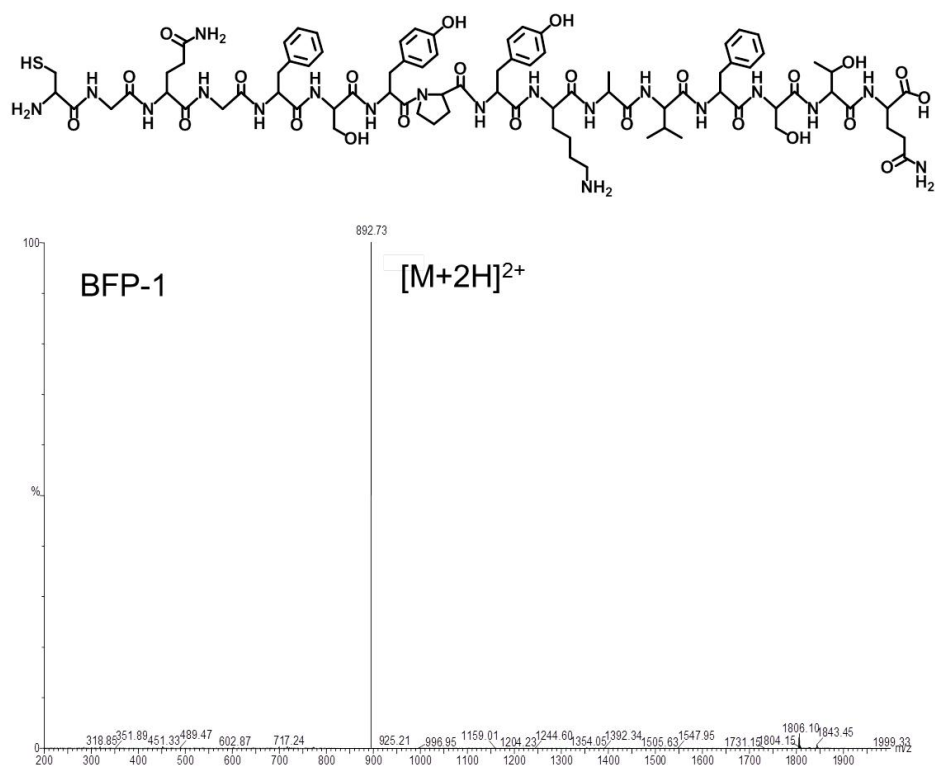
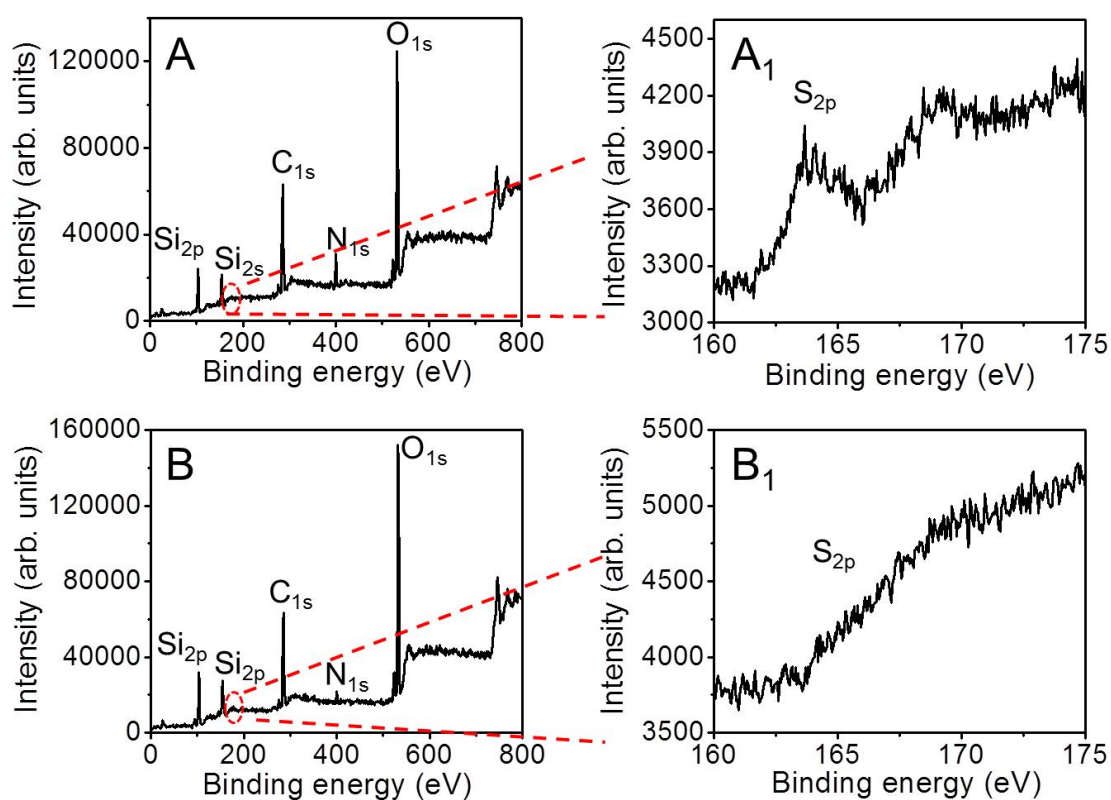


Fig. S4 ESI-MS of linear BFP-1 peptide (CGQGFSYPYKAVFSTQ).



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At%	C	N	O	S
cycRGD	53.85	8.39	36.95	0.81
BFP-1	37.69	5.80	55.73	0.78
BFP-1/RGD	39.86	5.03	54.58	0.53

Fig. S5 XPS spectra of substrates modified with cycRGD or BFP-1/cycRGD, and elemental composition on modified surfaces. (A) cycRGD immobilized substrate, (B) BFP-1/cycRGD immobilized substrate, (C) elemental composition on modified surfaces by XPS analysis.