Electronic Supplementary Material (ESI) for Food & Function.
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ESI

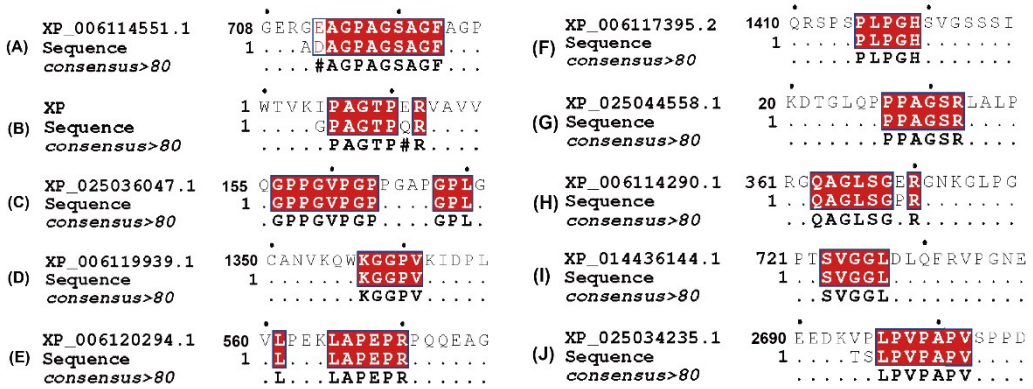


Fig 1s (A). Comparison of homologous amino acid sequences of ADAGPAGSAGF and *Pelodiscus sinensis* protein. Fig 1s (B). Comparison of homologous amino acid sequences of GPAGTPQR and *Pelodiscus sinensis* protein. Fig 1s (C). Comparison of homologous amino acid sequences of GPPGVPGPGPL and *Pelodiscus sinensis* protein. Fig 1s (D). Comparison of homologous amino acid sequences of KGGPV and *Pelodiscus sinensis* protein. Fig 1s (E). Comparison of homologous amino acid sequences of LLAPEPR and *Pelodiscus sinensis* protein. Fig 1s (F). Comparison of homologous amino acid sequences of PLPGH and *Pelodiscus sinensis* protein. Fig 1s (G). Comparison of homologous amino acid sequences of PPAGSR and *Pelodiscus sinensis* protein. Fig 1s (H). Comparison of homologous amino acid sequences of QAGLSGPR and *Pelodiscus sinensis* protein. Fig 1s (I). Comparison of homologous amino acid sequences of SVGGL and *Pelodiscus sinensis* protein. Fig 1s (J). Comparison of homologous amino acid sequences of TSLPVPAPV and *Pelodiscus sinensis* protein.

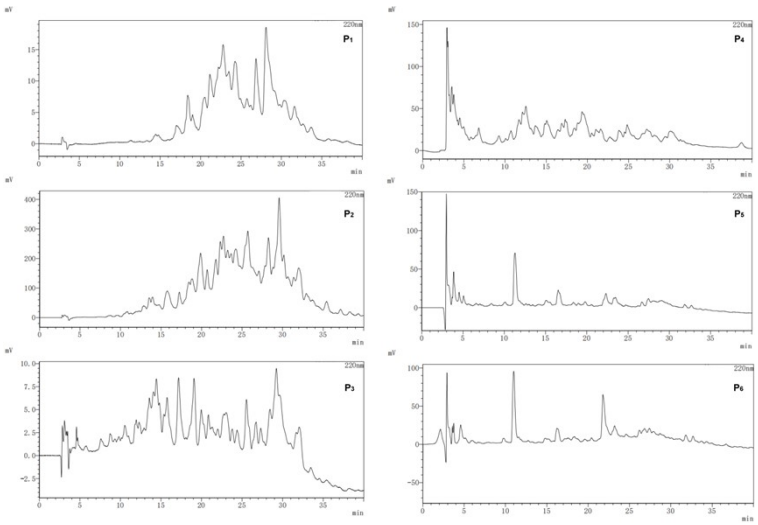
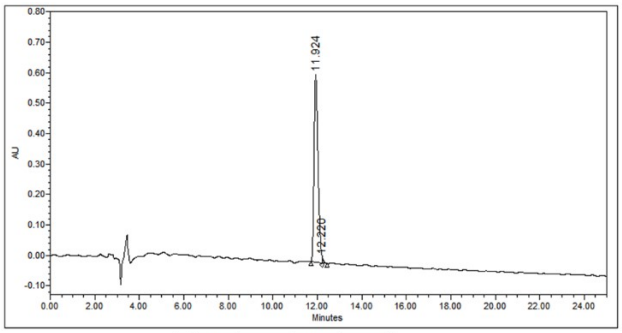


Fig 2s. HPLC spectrum of fractions (P_1, P_2, P_3, P_4, P_5, P_6) after gel filtration chromatography (GFC).



»	RT	Area	% Area	Height
1	11.924	7658059	99.15	616406
2	12.220	65359	0.85	19106

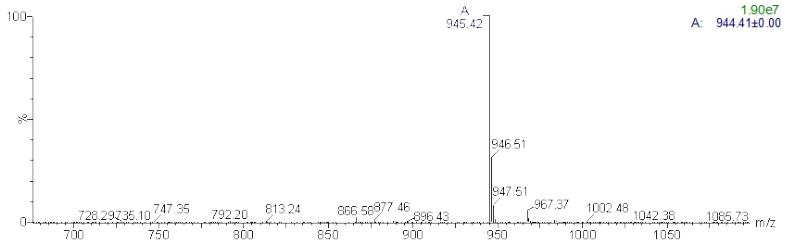
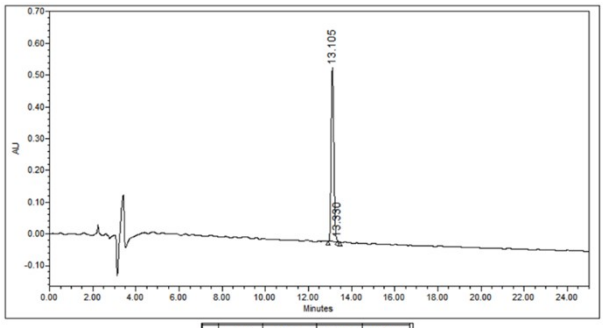


Fig 3s. HPLC spectrum and MS spectrum of GPPGVPGPGPL (synthesized chemically).



»	RT	Area	% Area	Height
1	13.105	4626666	99.69	548459
2	13.330	14343	0.31	5304

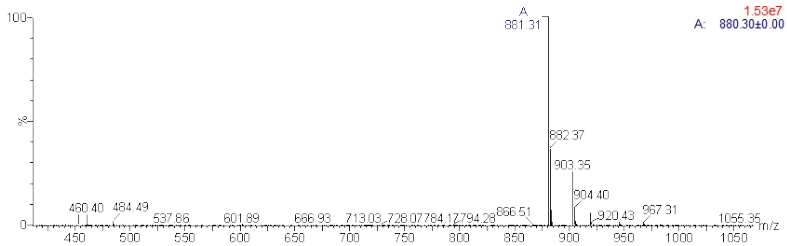


Fig 4s. HPLC spectrum and MS spectrum of TSLPVPAPV (synthesized chemically).