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Electronic Supplementary Information (ESI)

Low temperature preparation of graphene-cobalt microsphere hybrid by borohydride-initiated reduction for enriching proteins and peptides

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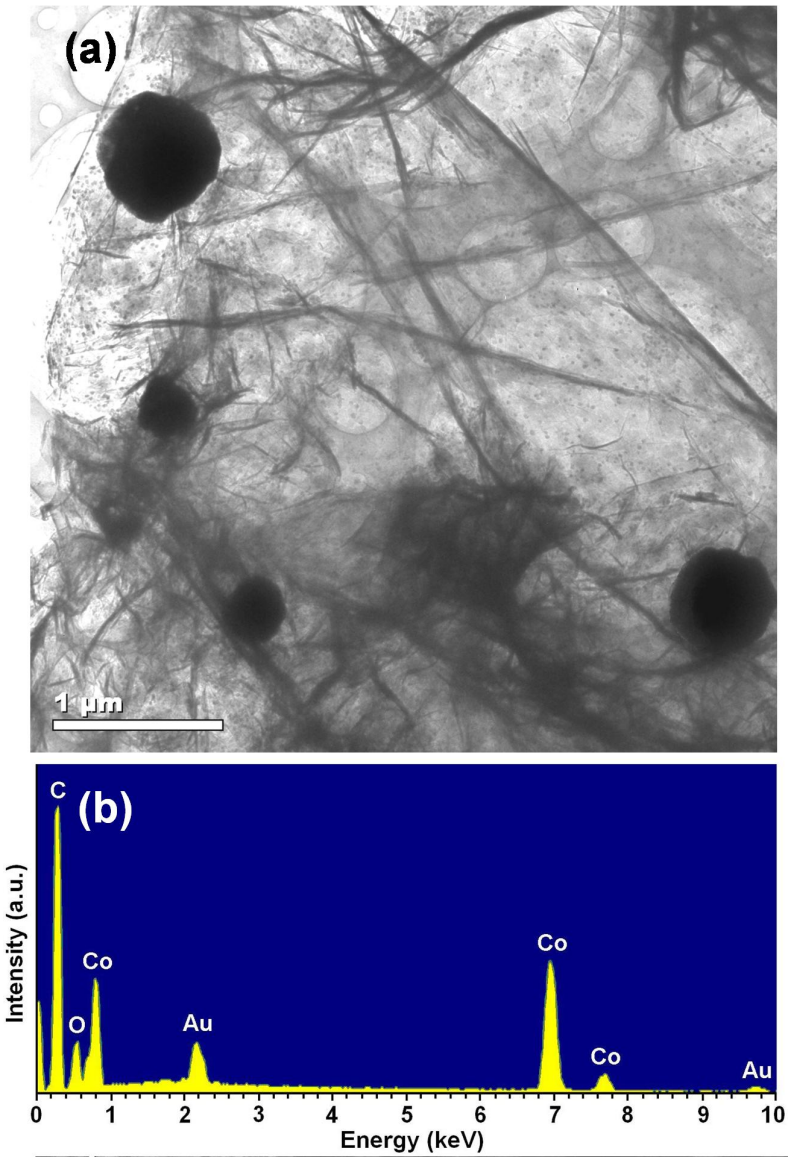

Fig. S1 (a) TEM image and (b) EDS spectrum of graphene-CoMS hybrid.

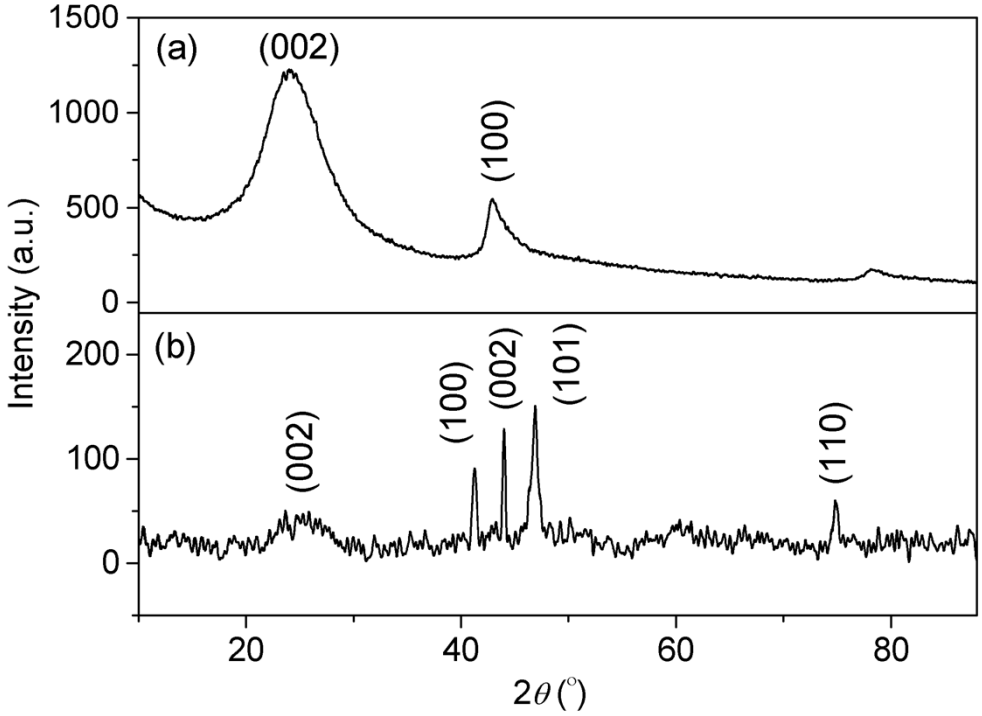

Fig. S2 XRD patterns of (a) graphene and (b) graphene-CoMS hybrid.

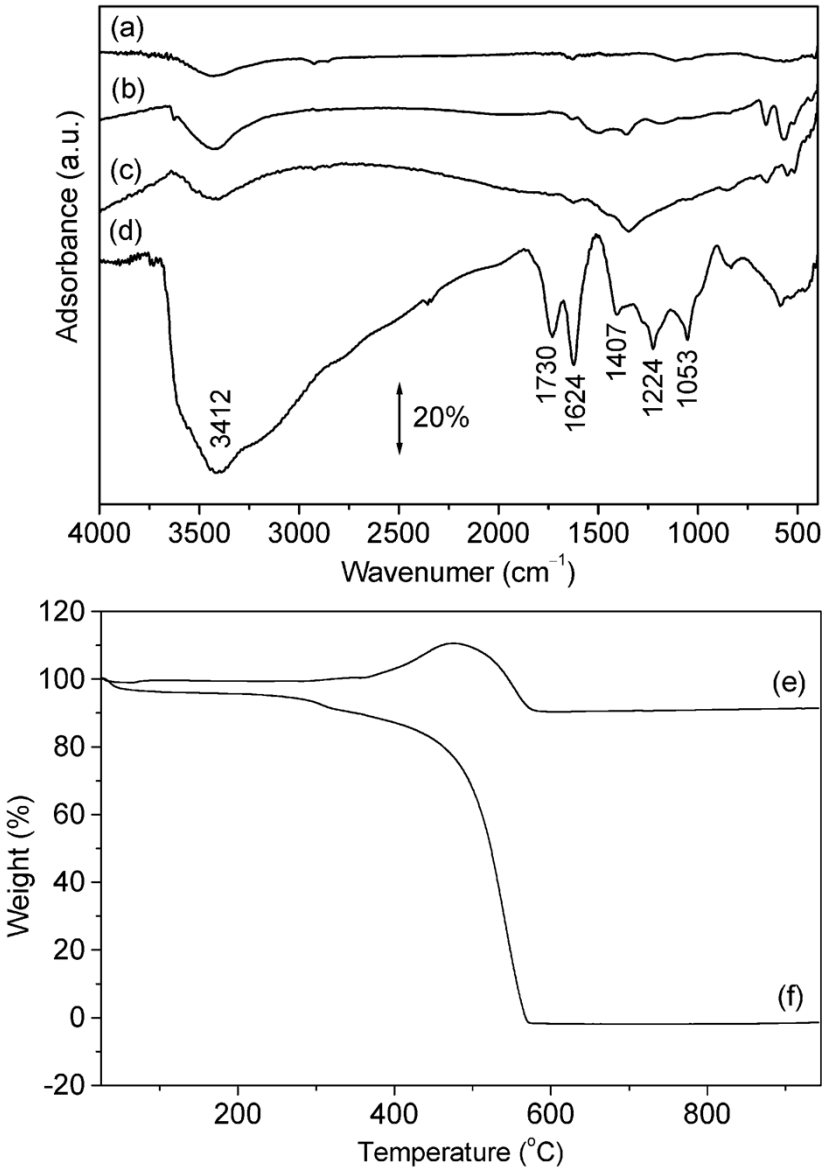

Fig. S3 FT-IR spectra of graphene (a), graphene-CoMS hybrid (b), CoMSs (c), and GO (d) and TGA curves of graphene-CoMS hybrid (e) and pristine graphene (f).

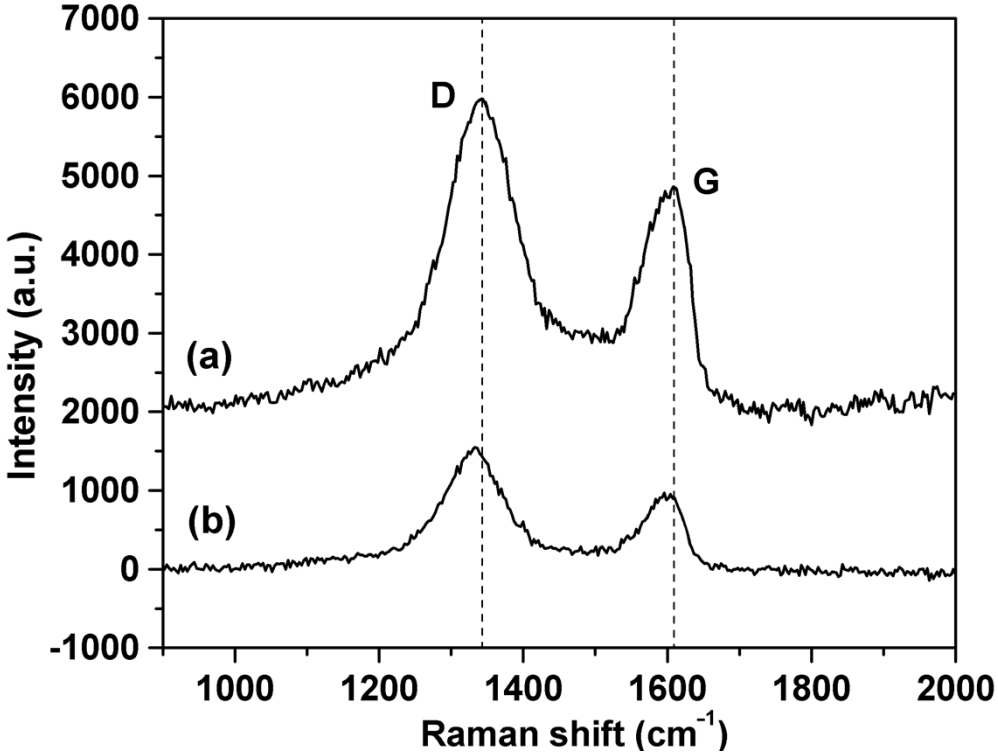

Fig. S4 Raman spectra of (a) GO and (b) graphene-CoMS hybrid.

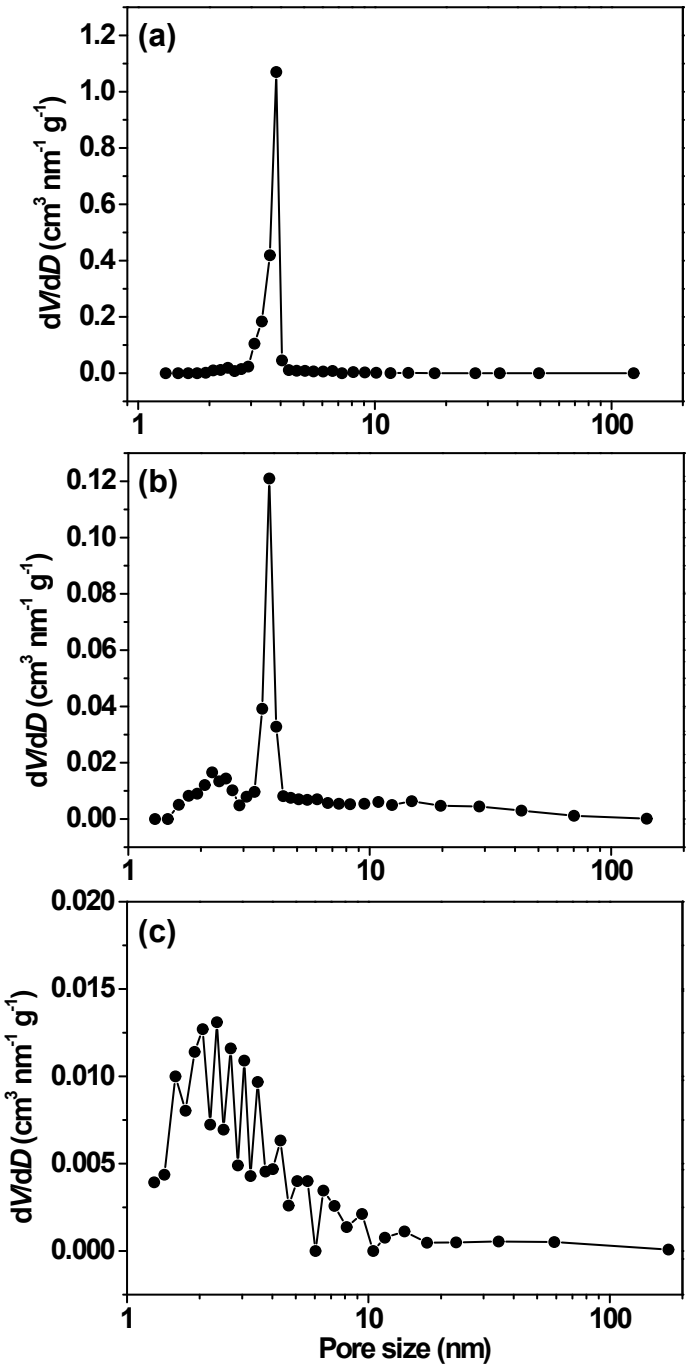

Fig. S5 BJH pore size distribution of (a) graphene, (b) graphene-CoMS hybrid, and (c) CoMSs.

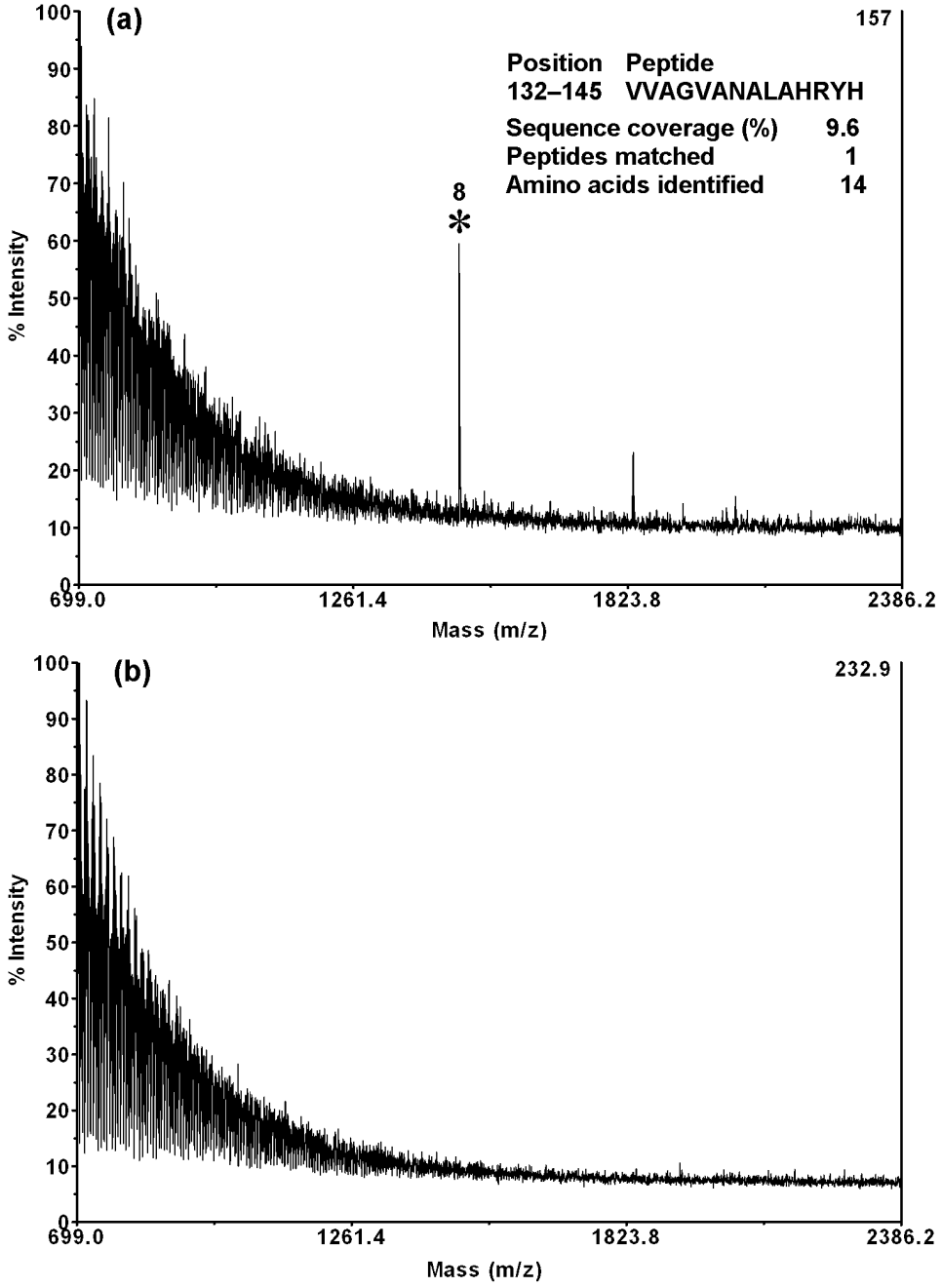

Fig. S6 MALDI-TOF mass spectra of the tryptic digests of (a) HEM and (b) Cyt-*c* (0.5 ng/μL each) after being enriched with pristine CoMSs. The peaks marked with asterisks represent the identified peptides in the tryptic digests of proteins.