

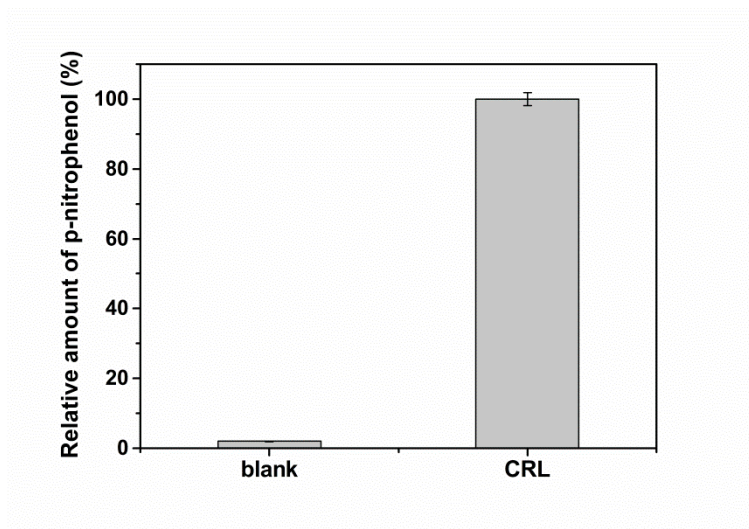
# Supporting Information

## Preparation of carriers based on ZnO nanoparticles decorated on graphene oxide (GO) nanosheets for efficient immobilization of lipase from *Candida rugosa*

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The experiment of the the blank of hydrolysis of pNPP at these conditions without protein was measured as follow:

1 mL of 0.5% *p*-NPP ethanol solution (w/v) and 1 mL of 0.1 M PBS (pH 7.0), then incubated at 37 °C for 5 min. The result showed in fig.1 and proved that the hydrolysis of *p*-NPP without CRL existed extremely minimum proportion (~2%) when regarded the hydrolysis of *p*-NPP with CRL as 100%. We considered that the influence of hydrolysis of *p*-NPP can be negligible.



**Figure S1.** Relative amount of p-nitrophenol in the hydrolysis of *p*-NPP without and with CRL. Conditions: 1 mL of 0.5% *p*-NPP ethanol solution (w/v), 1 mL of 0.1 M PBS (pH 7.0), incubated at 37 °C for 5 min.