

## Supporting Information

### **Fluoride capped $V_6O_{13}$ -reduced graphene oxide nanocomposites:**

#### **High activity oxidase mimetics and mechanism investigation**

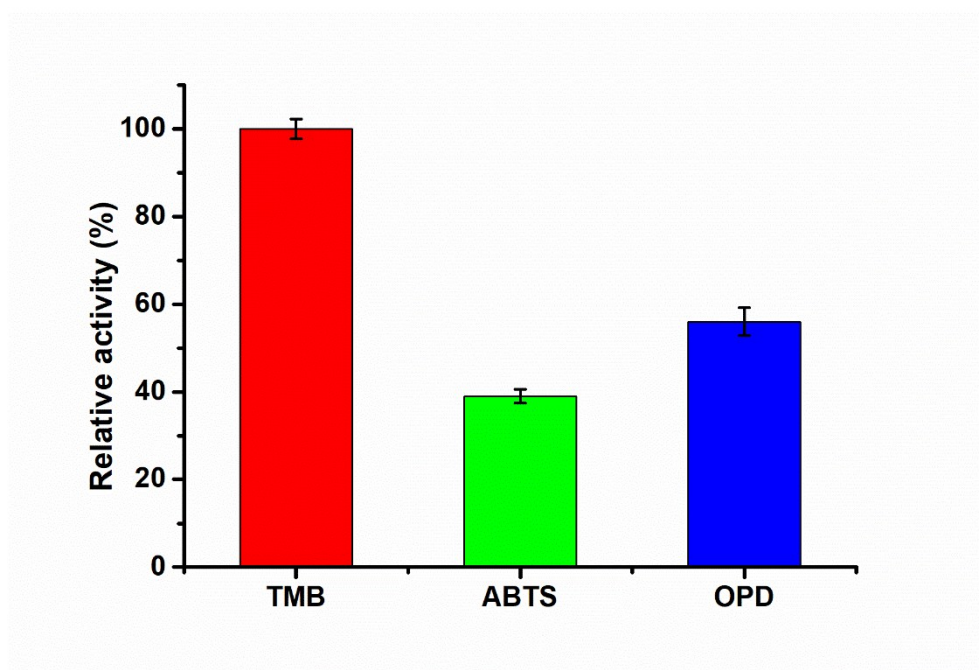
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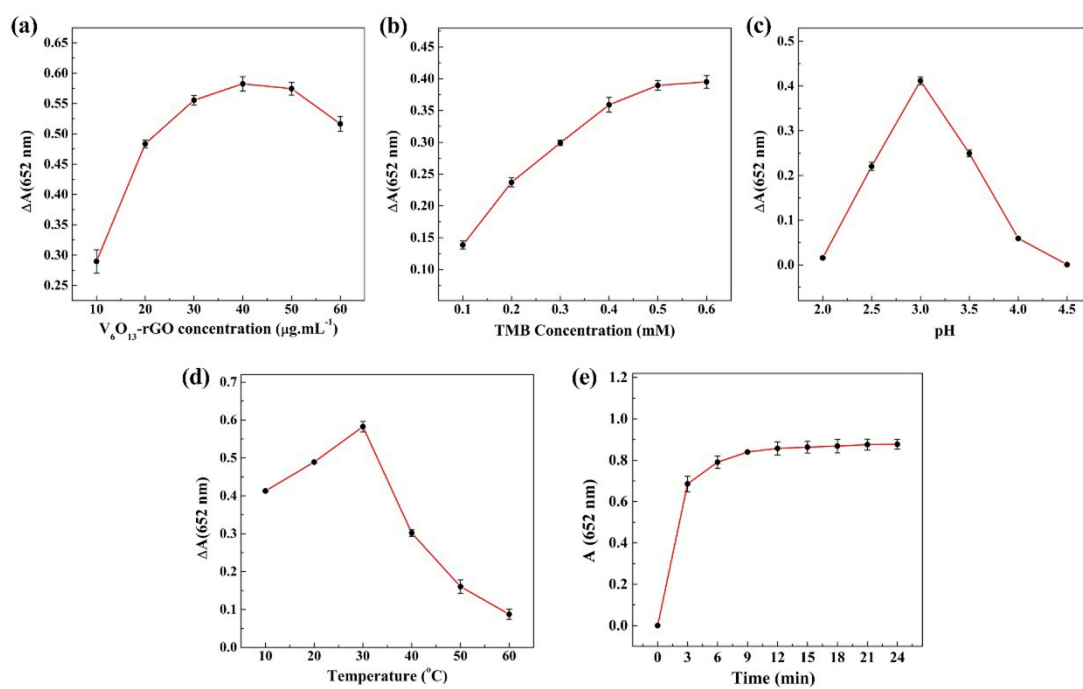
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**Fig. S1** The effect of different charged substrates on the influence of nanozyme activity in the presence of fluoride.



**Fig. S2** Effects of (a)  $V_6O_{13}$ -rGO nanocomposites concentration, (b) TMB concentration, (c) pH, (d) temperature and (e) reaction time on the fluoride detection.