

**TABLE S1** purification of recombinant TbCDA

Purification step	Total protein (mg)	Specific activity ( $\mu\text{mol}/\text{min}\cdot\text{mg}$ )	Total activity ( $\mu\text{mol}/\text{min}$ )	Yield (%)
Crude extract	235.80	0.18	41.66	100
Hitrap+PD10	11.50	22.70	261.05	16