

SUPPLEMENTARY INFORMATION

“The Terminal Oxidase Cytochrome *bd* Promotes Sulfide-resistant Bacterial Respiration and Growth”

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Figure S1: H₂S consumption by the *Entamoeba histolytica* O-acetylserine sulfhydrylase (*EhOASS*)

(A) purified recombinant *EhOASS* elutes as dimer of ~38 kDa monomers, as judged by size-exclusion chromatography. (B) amperometric measurement of H₂S consumption by *EhOASS*. T = 20 °C. Buffer: 100 mM HEPES pH 7.0 containing 260 U/mL catalase and 100 μM EDTA. After three sequential additions of 0.75 μM H₂S, O-acetylserine (100 μM) was added and the reaction was initiated by addition of *EhOASS* (9 nM). Under the tested conditions, *EhOASS* efficiently consumes H₂S with an apparent turnover number of 35 s⁻¹.

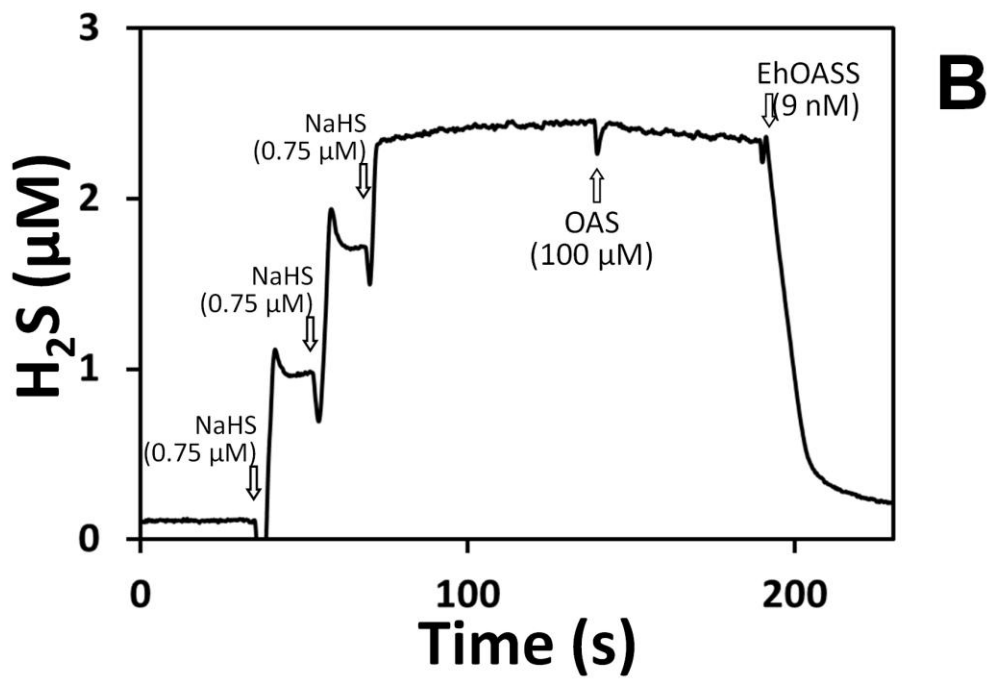
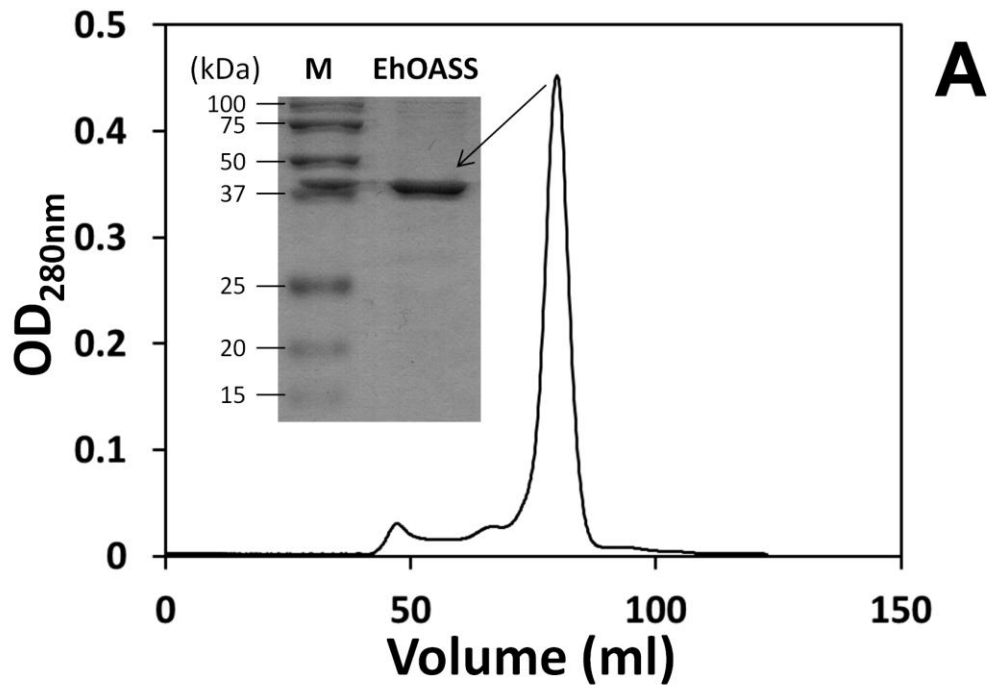


Figure S1