

We offer various packaging (protein concentration, activity, etc.) if necessary.

Data sheet

Enzyme	;	Arsenite oxidase
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Code ; AOX-23-01

Lot No. ; 1-I301

Protein conc. ; mg/ml

Volume ; ml

Form ; 20 mM Tris-HCl (pH 8.0)

Storage ; -20 °C *Avoid repeated freeze and thaw cycles

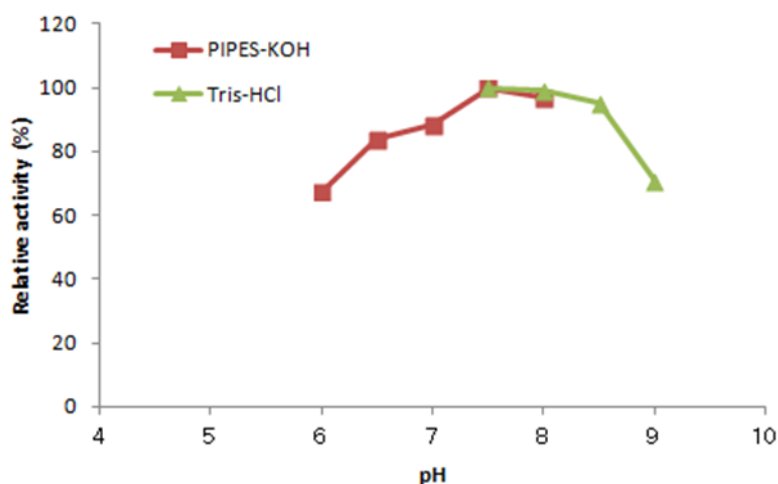
Activity ; U/ml

Notes ; For research use only.

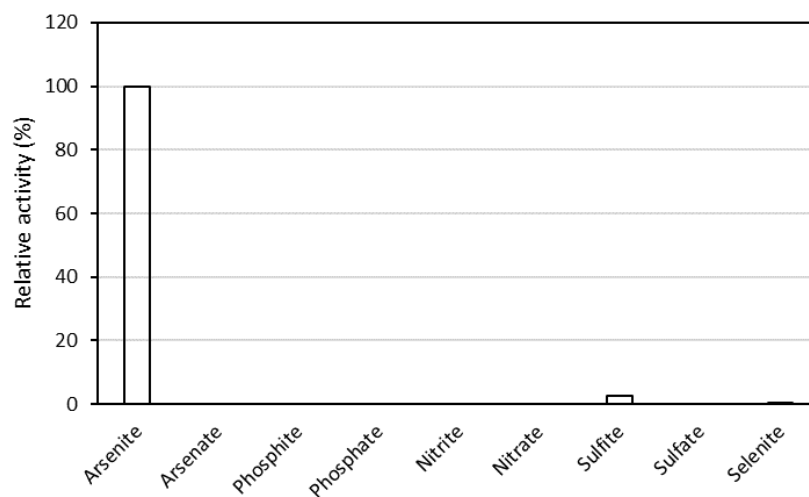
Activity measurement

Reaction mix (50 mM Tris-HCl (pH 7.5), 1 mM Arsenite, 0.01 mM Cytochrome c and appropriate amount of the enzyme) was incubated at 37 °C and A_{550} was monitored. One unit is defined as the amount of the enzyme reducing 1 μmol of Cytochrome c ($\epsilon_{550}=21.0 \text{ mM}^{-1} \text{ cm}^{-1}$) per 1 minute using Arsenite as a substrate.

pH profile

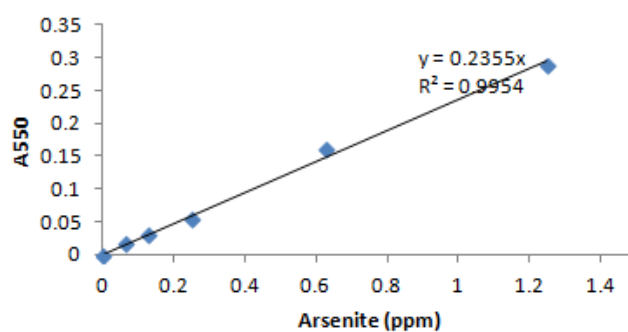


Substrate specificity



Calibration curve for Arsenite

(a) Cytochrome 25 μM



(b) Cytochrome 10 μM

