

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

Data sheet

Enzyme	;	Dichloromethane dehalogenase
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Code ; DCD-31-01

Lot No. ;

Protein conc. ; mg/ml

Volume ; ml

Form ; 20 mM Tris-HCl (pH 8.0) , 50 mM NaCl

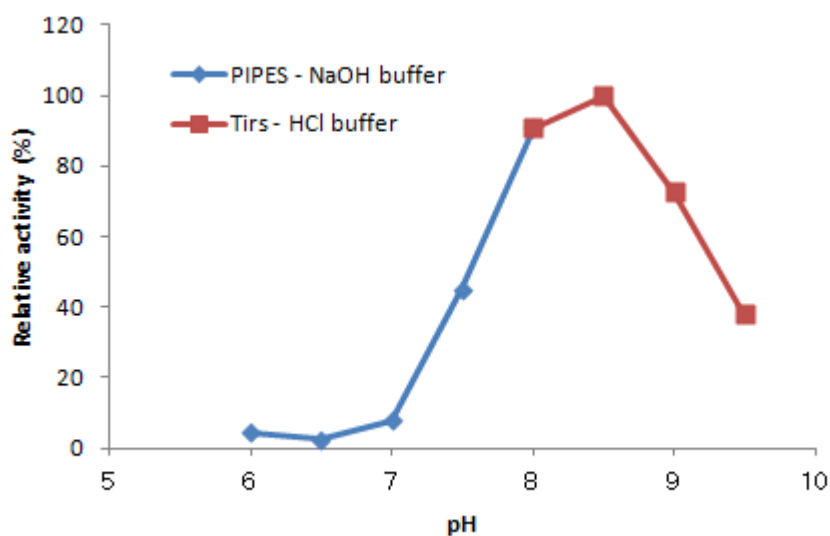
Storage ; -20 °C *Avoid repeated freeze and thaw cycles.

Activity ; U/ml

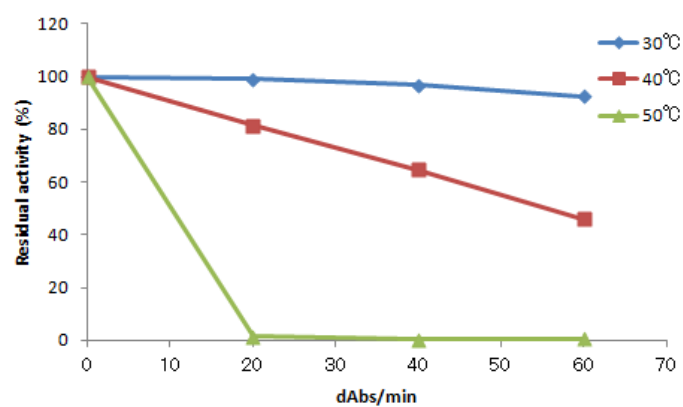
Notes ; For research use only

Activity measurement

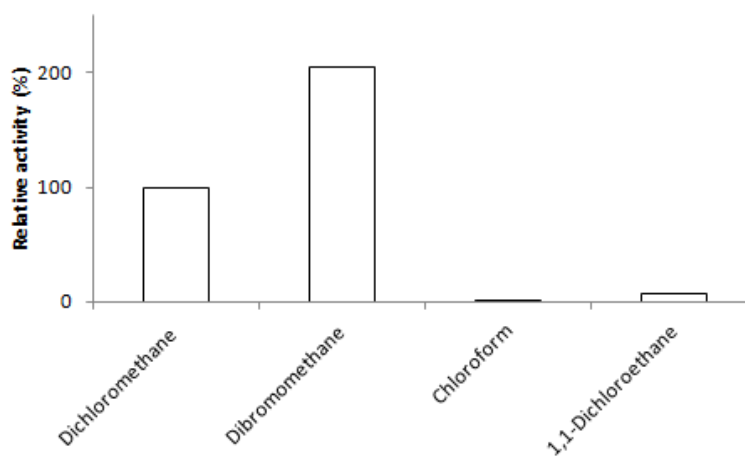
Reaction mix (50 mM Potassium phosphate buffer (pH 8.0), 1 mM Dichloromethane, 0.5 mU/ml Formaldehyde dehydrogenase, 0.5 mM Glutathione reduced form, 0.5 mM NAD⁺ and appropriate amount of the enzyme) was incubated at 37 °C and A₃₄₀ was monitored. One unit is defined as the amount of the enzyme producing 1 μmol of NADH ($\epsilon_{340}=6.22 \text{ mM}^{-1} \text{ cm}^{-1}$) per 1 minute using Dichloromethane as a substrate.

pH profile

Thermostability



Substrate specificity



Kinetic parameters

K_m for Dichloromethane = 0.06 mM (@37 °C, pH 8.0)