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

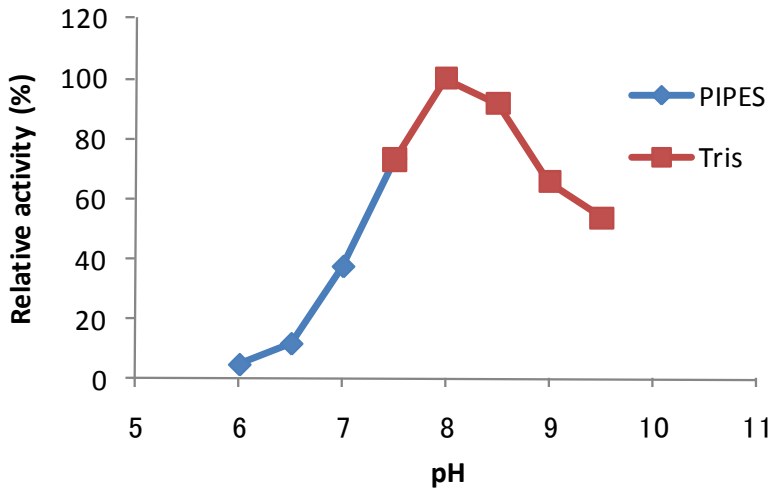
Data sheet

Enzyme	;	**Glutamate dehydrogenase**
Code	;	EDH-73-01
Lot #	;	1-I101
Protein conc.	;	mg/ml
Volume	;	ml
Form	;	20 mM Tris-HCl (pH 8.0)
Storage	;	-20°C
Activity	;	U/ml (@37℃, pH 8.0)
Notes	;	For research use only.

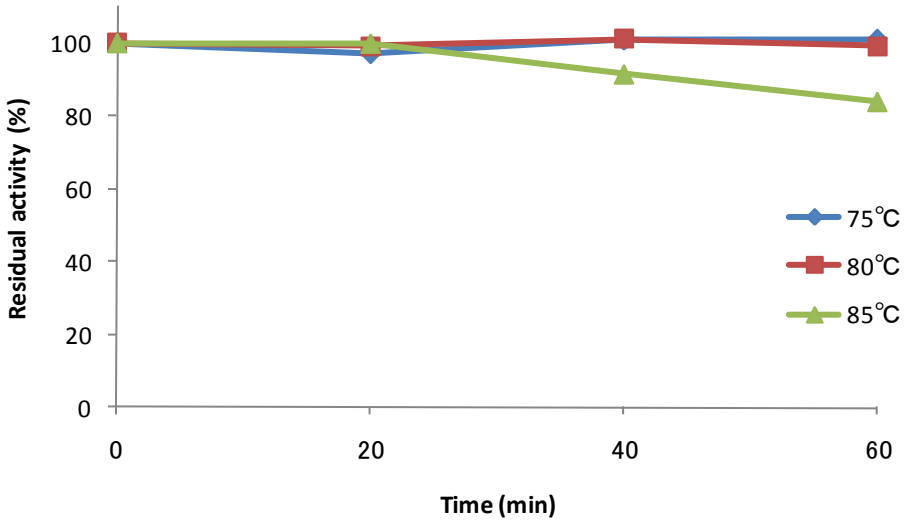
●Activity measurement：

Reaction mix (50 mM Tris-HCl (pH 8.0), 20 mM NH_4Cl (pH 8.0), 0.3 mM NADH, 10 mM 2-ketoglutarate and appropriate amount of the enzyme) was incubated at 37 °C and A_{340} was monitored. One unit is defined as the amount of the enzyme oxidizing 1 μmol of NADH (ε_{340}=6.22 mM^{-1} cm^{-1}) per 1 minute using 2-ketoglutarate as a substrate.

◆ Optimum pH



◆ Thermostability



◆ Kinetic parameters

K_m for 2-ketoglutarate = 0.46 mM

K_m for NADH = 0.046 mM

K_m for NH_4Cl = 14 mM

◆ Quantification of Ammonium Ion