

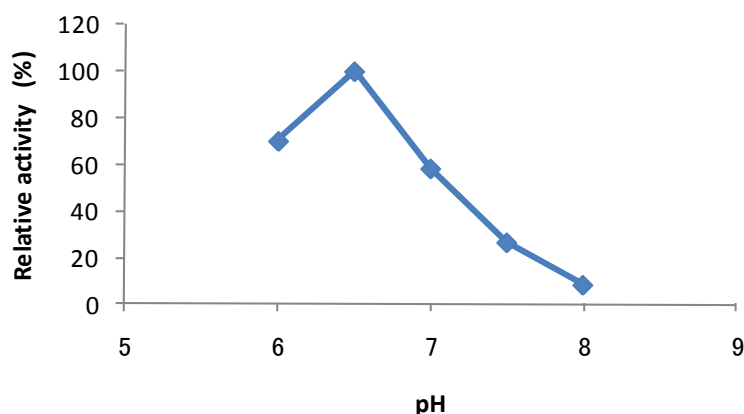
We offer various packaging (protein concentration, activity, etc.) if necessary.

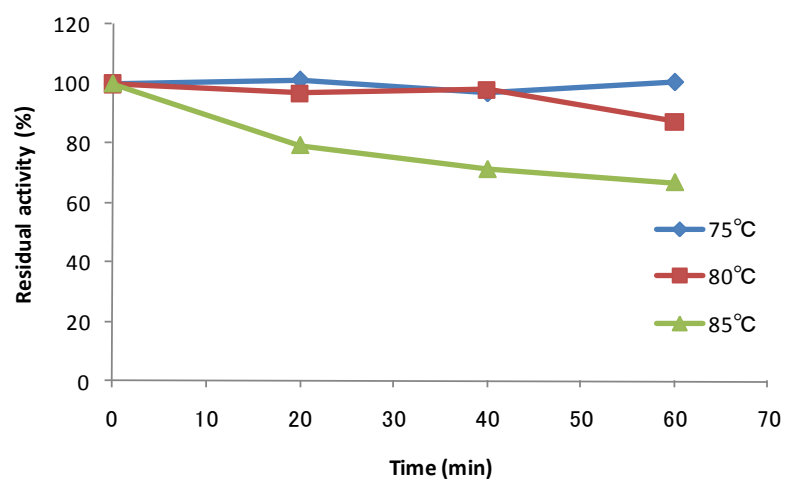
## Data sheet

Enzyme	;	<b>Nitrite reductase (NO forming)</b>
Code	;	NRN-68-01
Lot #	;	1-I101
Protein conc.	;	—
Volume	;	—
Form	;	20 mM Tris-HCl (pH 8.0)
Storage	;	-20°C
Activity	;	—
Notes	;	For research use only.

**●Activity measurement :**

Reaction mix (Potassium phosphate buffer (pH 6.5), 0.5 mM Methyl viologen, 5 mM Sodium dithionite, 1  $\mu$ M CuSO<sub>4</sub>, 1 mM Sodium nitrite and appropriate amount of the enzyme) was incubated at 37 °C and A<sub>600</sub> was monitored. One unit is defined as the amount of the enzyme oxidizing 1  $\mu$ mol of reduced Methyl viologen ( $\epsilon_{600}=13.7 \text{ mM}^{-1} \text{ cm}^{-1}$ ) per 1 minute using Sodium nitrite as a substrate.

**◆ Optimum pH**

◆ Thermostability◆ Kinetic parameters $K_m$  for Nitrite = 0.76 mM $K_m$  for Reduced methylviologen = 11 mM