

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

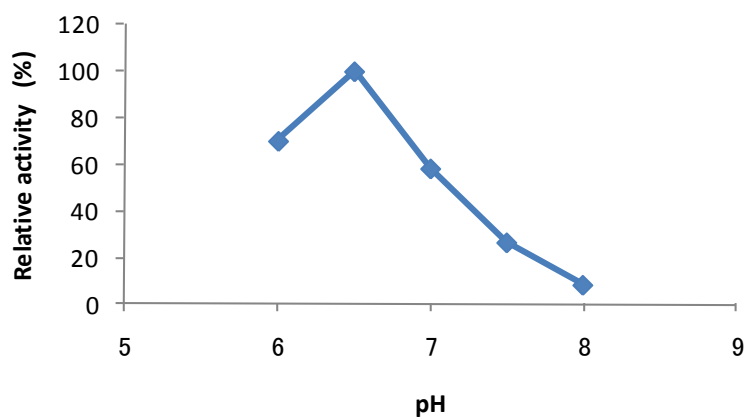
Data sheet

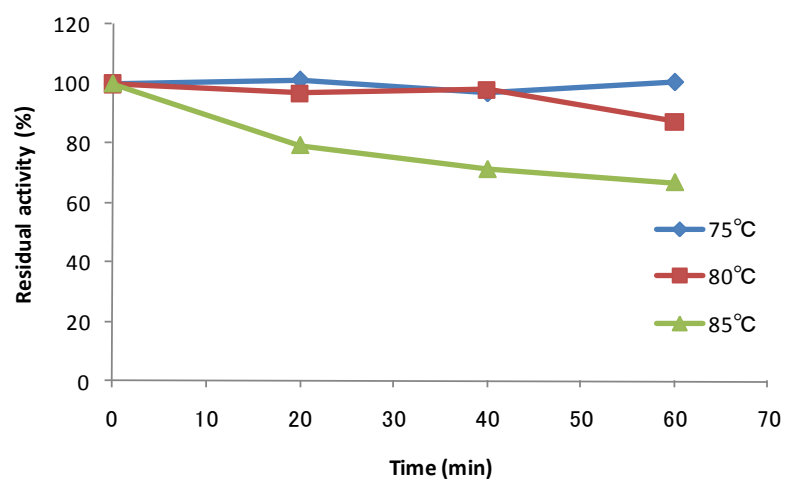
Enzyme	;	Nitrite reductase (NO forming)
Code	;	NRN-68-01
Lot #	;	1-I101
Protein conc.	;	—
Volume	;	—
Form	;	20 mM Tris-HCl (pH 8.0)
Storage	;	-20°C
Activity	;	—
Notes	;	For research use only.

● **Activity measurement :**

Reaction mix (Potassium phosphate buffer (pH 6.5), 0.5 mM Methyl viologen, 5 mM Sodium dithionite, 1 μ M CuSO₄, 1 mM Sodium nitrite and appropriate amount of the enzyme) was incubated at 37 °C and A₆₀₀ was monitored. One unit is defined as the amount of the enzyme oxidizing 1 μ 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