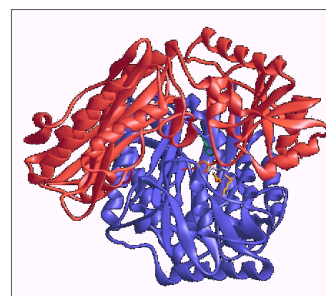


## DIAGNOSTIC ENZYMES

**CREATINE AMIDINOHYDROLASE — CRH-221**  
FROM MICROORGANISM EC (3.5.3.3)**SPECIFICATIONS**

Appearance	White amorphous powder lyophilized
Activity	Grade II 4.0 U/mg-solid or more
Contaminant	NADH oxidase $\leq 5.0 \times 10^{-2}$ % Catalase $\leq 2.0$ %
Stabilizers	Sugars, EDTA
Stability	Stable at $-20^\circ\text{C}$ for at least one year
Molecular weight	approx. 67,000 by gel filtration
Isoelectric point	$4.5 \pm 0.1$
Michaelis constant	$4.5 \times 10^{-3}$ M (Creatine)
Inhibitors	$\text{Hg}^{2+}$ $\text{Cu}^{2+}$ $\text{Ag}^+$ SH reagent PCMB
Optimum pH	6.5—7.5
Optimum temperature	$40-50^\circ\text{C}$
pH Stability	pH 4.0—10.0 ( $25^\circ\text{C}$ 20hr)
Thermal stability	below $50^\circ\text{C}$ (pH 7.5 30min)



Creatine Amidinohydrolase

**CONTACTS**

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<http://www.sorachim.com>

Or send us an e-mail at:

[contact@sorachim.com](mailto:contact@sorachim.com)

**APPLICATIONS**

This enzyme is used for enzymatic determination of creatine and creatinine when coupled with creatinine amidohydrolase (CNH-211, CNH-311) sarcosine dehydrogenase or sarcosine oxidase (SAO-341) and formaldehyde dehydrogenase (FRD-201) in clinical analysis.