



**Creative Enzymes**

*Diagnostic Enzymes*

## Recombinant Creatine Amidinohydrolase (CRH)

### Product Information

<b>Cat#</b>	BDE-008
<b>Description</b>	Creatinase (CRH) catalyzes the second step of the enzymatic creatinine assay by hydrolyzing creatine to sarcosine and urea.
<b>Applications</b>	Used in combined enzymatic assays for creatinine and creatine, suitable for renal function biochemical test kits.
<b>CAS No.</b>	37340-58-2
<b>Enzyme Commission Number</b>	EC 3.5.3.3
<b>Form</b>	White powder, lyophilized
<b>Source</b>	Recombinant
<b>Activity</b>	≥ 20 U/mg-protein
<b>Unit Definition</b>	One unit causes the formation of one micromole of sarcosine per min at pH 7.5 at 37°C.
<b>Molecular Weight</b>	30 kDa (SDS-PAGE)
<b>Optimum pH</b>	7-9
<b>Optimum temperature</b>	50°C
<b>pH Stability</b>	5.0-10.5 (25°C, 16 h)
<b>Thermal Stability</b>	< 50°C (pH 7.5, 30 min)
<b>Inhibitors</b>	Ag <sup>+</sup> , Hg <sup>2+</sup> , Cu <sup>2+</sup>
<b>Storage</b>	Store at ≤ -20 °C.

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