

## Cystathionine $\beta$ -lyase, Recombinant

### Product Information

<b>Cat#</b>	NATE-1146
<b>Abbr</b>	Cystathionine $\beta$ -lyase, Recombinant
<b>Similar</b>	Cystathionine $\beta$ -lyase
<b>Description</b>	In enzymology, a cystathionine beta-lyase (EC 4.4.1.8) is an enzyme that catalyzes the chemical reaction: L-cystathionine + H <sub>2</sub> O $\leftrightarrow$ L-homocysteine + NH <sub>3</sub> + pyruvate. Thus, the two substrates of this enzyme are L-cystathionine and H <sub>2</sub> O, whereas its 3 products are L-homocysteine, NH <sub>3</sub> , and pyruvate. This enzyme belongs to the family of lyases, specifically the class of carbon-sulfur lyases.
<b>Applications</b>	This protein can be used for producing Hcy in vitro diagnosis Kit .
<b>Appearance</b>	Lyophilized powder
<b>Form</b>	Freeze dried powder
<b>Enzyme Commission Number</b>	EC 4.4.1.8
<b>Activity</b>	>500U/mg
<b>Molecular Weight</b>	43KD
<b>Purity</b>	>90% (by SDS-PAGE)
<b>Isoelectric point</b>	6.27
<b>pH Stability</b>	7.0-9.0
<b>Storage</b>	The lyophilized powder should be stored at -20°C where it is stable for up to several years. The solution could be stored at 4°C where it is stable for up to 1 year. Repeated freezing and thawing cycles of the reconstituted solution is not recommended .
<b>Buffer</b>	PBS , pH7.4
<b>Synonyms</b>	L-cystathionineL-homocysteine-lyase (deaminating; pyruvate-forming); beta-cystathionase; cystine lyase; cystathionine L-homocysteine-lyase (deaminating); L-



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cystathionineL-homocysteine-lyase (deaminating); Cystathionine  $\beta$ -lyase; EC 4.4.1.8

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