

Cystathionine β-lyase, Recombinant

Product Information

Cat#	NATE-1146
Abbr	Cystathionine β-lyase, Recombinant
Similar	Cystathionine β-lyase
Description	In enzymology, a cystathionine beta-lyase (EC 4.4.1.8) is an enzyme that catalyzes the chemical reaction: L-cystathionine + H2O ↔ L-homocysteine + NH3 + pyruvate. Thus, the two substrates of this enzyme are L-cystathionine and H2O, whereas its 3 products are L-homocysteine, NH3, and pyruvate. This enzyme belongs to the family of lyases, specifically the class of carbon-sulfur lyases.
Applications	This protein can be used for producing Hcy in vitro diagnosis Kit.
Appearance	Lyophilized powder
Form	Freeze dried powder
Enzyme Commission Number	EC 4.4.1.8
Activity	>500U/mg
Molecular Weight	43KD
Purity	>90% (by SDS-PAGE)
Isoelectric point	6.27
pH Stability	7.0-9.0
Storage	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.
Buffer	PBS, pH7.4
Synonyms	L-cystathionineL-homocysteine-lyase (deaminating; pyruvate-forming); beta-cystathionase; cystine lyase; cystathionine L-homocysteine-lyase (deaminating); L-

Fax:1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA



Cystathionine β-lyase, Recombinant

cystathionineL-homocysteine-lyase (deaminating); Cystathionine β-lyase; EC 4.4.1.8

Fax:1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA