



Creative Enzymes

Diagnostic Enzymes

Native Cystathionine Beta-lyase (CBL) from Microorganism

Product Information

Cat#	BDE-006
Description	Cystathionine β -lyase (CBL) catalyzes the β -cleavage of cystathionine, yielding homocysteine, pyruvate, and NH_3 . Together, CBS and CBL are used in enzymatic cycling assays for homocysteine detection.
Applications	Used in conjunction with CBS for the tandem enzymatic assay of homocysteine.
CAS No.	9055-05-4
Enzyme Commission Number	EC 4.4.1.8
Form	Yellowish amorphous powder, lyophilized
Source	Microorganism
Activity	≥ 2 U/mg-solid; ≥ 14.5 U/mg-protein
Unit Definition	One unit is defined as the amount of enzyme that catalyzes the formation of one micromole of L-homocysteine per min at pH 8.0.
Molecular Weight	45 kDa (SDS-PAGE)
Storage	Aliquot and store at ≤ -20 °C.

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