



Creative Enzymes

Diagnostic Enzymes

Native Cystathionine Beta-synthase (CBS) from Microorganism

Product Information

Cat#	BDE-005
Description	Cystathionine β -synthase (CBS) is a cytoplasmic homotetramer (63 kDa subunits) and a pyridoxal phosphate (PLP)-dependent enzyme that condenses serine and homocysteine (Hcy) to form cystathionine.
Applications	Used in homocysteine enzymatic assay kits to achieve precise measurement of biomarkers associated with cardiovascular disease.
CAS No.	9023-99-8
Enzyme Commission Number	EC 4.2.1.22
Form	Yellowish amorphous powder, lyophilized
Source	Microorganism
Activity	≥ 5 U/mg-solid; ≥ 13.3 U/mg-protein
Unit Definition	One unit causes is defined as the amount of enzyme that catalyzes the formation of one micromole of L-cystathionine per min at pH 8.0 at 37°C.
Molecular Weight	43 kDa (SDS-PAGE)
Storage	Aliquot and store at ≤ -20 °C.

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