

## Native Cystathionine- $\beta$ -synthase

Cat. No. DIA-272

Lot. No. (See product label)

### Introduction

**Description** Cystathionine- $\beta$ -synthase, also known as CBS, is an enzyme (EC 4.2.1.22) that in humans is encoded by the CBS gene. CBS uses the cofactor pyridoxal-phosphate (PLP) and can be allosterically regulated by effectors such as the ubiquitous cofactor S-adenosyl-L-methionine (adoMet). This enzyme belongs to the family of lyases, to be specific, the hydro-lyases, which cleave carbon-oxygen bonds. CBS is a multidomain enzyme composed of an N-terminal enzymatic domain and two CBS domains. The CBS gene is the most common locus for mutations associated with homocystinuria.

**Synonyms** Cystathionine- $\beta$ -synthase; CBS; EC 4.2.1.22; 9023-99-8

### Product Information

**EC Number** EC 4.2.1.22

**CAS No.** 9023-99-8