

Cystathionine-β-synthase, Recombinant

Product Information

Cat#	DIA-293
Similar	CBS
Description	Cystathionine-β-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.
CAS No.	9023-99-8
Isoelectric point	6.49
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 .
Synonyms	Cystathionine-β-synthase; CBS; EC 4.2.1.22; 9023-99-8
Enzyme Commission Number	EC 4.2.1.22
Purity	>90% (by SDS-PAGE)
pH Stability	7.4-8.5
Buffer	PBS , pH7.4
Abbr	CBS, Recombinant
Alias	CBS
Applications	This protein can be used for producing Hcy in vitro diagnosis Kit .
Appearance	Lyophilized powder



Creative Enzymes

Diagnostic Enzymes

Cystathionine- β -synthase, Recombinant

Molecular Weight 56 KD
