

## Cystathionine-β-synthase, Recombinant

### Product Information

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



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**Molecular Weight** 56 KD

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