

CBS 抗原（重组蛋白）

中文名称：CBS 抗原（重组蛋白）

英文名称：CBS Antigen (Recombinant Protein)

别名：HIP4

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to C terminal 300 amino acids of human CBS

技术规格：

Full name:	cystathionine-beta-synthase
Synonyms:	HIP4
Swissprot:	P35520
Gene Accession:	BC010242
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	The protein encoded by this gene acts as a homotetramer to catalyze the conversion of homocysteine to cystathionine, the first step in the transsulfuration pathway. The encoded protein is allosterically activated by adenosyl-methionine and uses pyridoxal phosphate as a cofactor. Defects in this gene can cause cystathionine beta-synthase deficiency (CBS), which can lead to homocystinuria. Multiple alternatively spliced transcript variants have been found for this gene.