

Recombinant Human CBS

Catalog No: #GP11149



Package Size: #GP11149-1 100ug

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Description

Product Name	Recombinant Human CBS
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 300 amino acids of human cystathionine-beta-synthase
Target Name	cystathionine-beta-synthase
Other Names	HIP4
Accession No.	Swissprot:P35520Gene Accession:BC010242
Uniprot	P35520
GeneID	102724560;875;
Storage	-20~-80°C, pH 7.6 PBS

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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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