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Datasheet for ABIN7318370

CTH Protein



Overview

Quantity:	50 μg
Target:	CTH
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Cystathionine γ-Lyase/CTH Protein
Sequence:	Met 1-Ser405
Characteristics:	Recombinant Human Cystathionine Gamma-Lyase is produced by our E.coli expression system and the target gene encoding Met1-Ser405 is expressed.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	СТН
Alternative Name:	Cystathionine gamma-Lyase/CTH (CTH Products)
Background:	Background: Cystathionine Gamma-Lyase (CTH) belongs to the trans-sulfuration enzymes family. CTH exists as a homotetramer and interacts with CALM in a calcium-dependent
	manner. CTH breaks down cystathionine into cysteine, ammonia and 2-oxobutanoate. CTH catalyzes the last step in the trans-sulfuration pathway from methionine to cysteine and has

Target Details

	broad substrate specificity. Defects in CTH will lead to cystathioninuria, which is an autosomal recessive phenotype characterized by abnormal accumulation of plasma cystathionine.
	Synonym: Cystathionine Gamma-Lyase, Cysteine-Protein Sulfhydrase, Gamma-Cystathionase,
	CTH
Molecular Weight:	44.7 kDa
UniProt:	P32929
Pathways:	ER-Nucleus Signaling, Warburg Effect
Application Details	
Restrictions:	For Research Use only
Llandling	
Handling	
Format:	Frozen, Liquid

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl,20 % Glycerol, pH 7.4.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.