

Product datasheet for **TP724814**

Cystathionase (CTH) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Cystathionine r-Lyase/CTH
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Ser405
Buffer:	Supplied as a 0.2 um filtered solution of PBS, 500mM NaCl, 20%Glycerol, pH7.4
Note:	Recombinant Human Cystathionine Gamma-Lyase is produced by our E.coli expression system and the target gene encoding Met1-Ser405 is expressed.
Stability:	12 months from date of despatch
Locus ID:	1491
UniProt ID:	P32929
Summary:	Cystathionine Gamma-Lyase (CTH) is the member of the trans-sulfuration enzymes family. CTH can form homotetramers and interacts with CALM in a calcium-dependent manner. CTH catalyzes the breakdown of cystathionine into cysteine, ammonia and 2-oxobutanoate. CTH also plays an important role in the last step in the trans-sulfuration pathway from methionine to cysteine and has broad substrate specificity. Defects in CTH lead to cystathioninuria, which is an autosomal recessive phenotype characterized by abnormal accumulation of plasma cystathionine.



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