Recombinant Human CTH Protein, GST-tagged

Cat. No. CTH-2070H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CTH full-length ORF (AAH15807, 1 a.a. - 405 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a cytoplasmic enzyme in the trans-sulfuration pathway that converts cystathione derived from methionine into cysteine. Glutathione synthesis in the liver is dependent upon the availability of cysteine. Mutations in this gene cause cystathioninuria. Alternative splicing of this gene results in three transcript variants encoding different isoforms. [provided by RefSeq, Jun 2010]
Molecular Mass	70.07 kDa
AA Sequence	MQEKDASSQGFLPHFQHFATQAIHVGQDPEQWTSRAVVPPISLSTTFKQGAPGQH SGFEYSRSGNPTRNCLEKAVAALDGAKYCLAFASGLAATVTITHLLKAGDQIICMDDV YGGTNRYFRQVASEFGLKISFVDCSKIKLLEAAITPETKLVWIETPTNPTQKVIDIEGC AHIVHKHGDIILVVDNTFMSPYFQRPLALGADISMYSATKYMNGRSDVVMGLVSVNC ESLHNRLRFLQNSLGAVPSPIDCYLCNRGLKTLHVRMEKHFKNGMAVAQFLESNPW VEKVIYPGLPSHPQHELVKRQCTGCTGMVTFYIKGTLQHAEIFLKNLKLFTLAESLGG FESLAELPAIMTHASVLKNDRDVLGISDTLIRLSVGLEDEEDLLEDLDQALKAAHPPS GSHS
Applications	Enzyme-linked Immunoabsorbent Assay

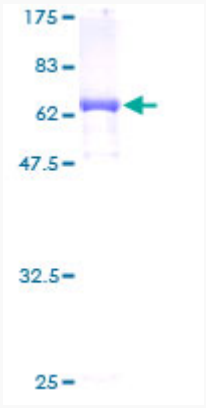
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CTH cystathionase (cystathionine gamma-lyase) [Homo sapiens]
Official Symbol	CTH
Synonyms	CTH; cystathionase (cystathionine gamma-lyase); cystathionine gamma-lyase; gamma-cystathionase; homoserine deaminase; cysteine desulfhydrase; homoserine dehydratase; cysteine-protein sulfhydrase; MGC9471;
Gene ID	1491
mRNA Refseq	NM_001190463
Protein Refseq	NP_001177392
MIM	607657
UniProt ID	P32929

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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