

Product datasheet for **TP302195M**

Cystathionase (CTH) (NM_001902) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cystathionase (cystathionine gamma-lyase) (CTH), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202195 protein sequence Red =Cloning site Green =Tags(s)

MQEKDASSQGFLPHFQHFATQAIHVGQDPEQWTSRAWPPISLSTTFKQGAPGQHSGFEYSRSGNPTRNC
LEKAVAALDGAKYCLAFASGLAATVTITHLLKAGDQIICMDDVYGGTNRVFRQVASEFGLKISFVDCSKI
KLEAAITPETKLWVIETPTNPTQKVIDIEGCAHIVHKHGDIIILVDNTFMSPYFQRPLALGADISMYS
TKYMNGHSDVVMGLSVNCESLHNRLRFLQNSLGAVPSPIDCYLCNRGLKTLHVRMEKHFKNGMAVAQFL
ESNPWVEKVIYPGLPSHPQHELVKRQCTGCTGMVTFYIKGTLQHAEIFLKNLKLFTLAESLGGFESLAEL
PAIMTHASVLKNDRDVLGISDTLIRLSVGLLEDEEDLLEDLDQALKAHPPSGSHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	44.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001893



[View online »](#)

Locus ID: 1491

UniProt ID: [P32929](#)

RefSeq Size: 2140

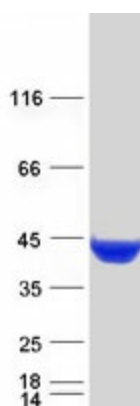
Cytogenetics: 1p31.1

RefSeq ORF: 1215

Summary: 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]

Protein Pathways: Cysteine and methionine metabolism, Glycine, serine and threonine metabolism, Metabolic pathways, Nitrogen metabolism, Selenoamino acid metabolism

Product images:



Coomassie blue staining of purified CTH protein (Cat# [TP302195]). The protein was produced from HEK293T cells transfected with CTH cDNA clone (Cat# [RC202195]) using MegaTran 2.0 (Cat# [TT210002]).