

**CTH, 1-405aa, Human, His tag, E.coli**

**Cat.NO.: TP01766**

3th Edition

**Synonyms:**Cystathionine gamma-lyase.

**Description:**CTH (Cystathionine gamma-lyase or cystathionase) belongs to the trans-sulfuration enzymes family. This protein is an enzyme which breaks down cystathionine into cysteine and alpha-ketobutyrate. CTH catalyzes the last step in the transsulfuration pathway from methionine to cysteine.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl

**Molecular Weight:**46.7kDa (425aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMQEKDASSQGFLPHFQHFATQAIHVGQDPEQWTSRAVVPPISLSTTFKQGAPGQ  
HSGFEYSRSGNPTRNCLEKAVAALDGAKYCLAFASGLAATVTITHLLKAGDQIICMDDVYGGTNRYFRQVASEFGL  
KISFVDCSKIKLLEAAITPETKLVWIETPTNPTQKVIDIEGCAHIVHKHGDILVVDNTFMSPYFQRPLALGADISMYSAT  
KYMNGHSDVVMGLVSVNCESLHNRLRFLQNSLGAVPSPIDCYLCNRGLKTLHVRMEKHFKNMGMAVAQFLESNPW  
VEKVIYPGLPSPHQHELVKRQCTGCTGMVTFYIKGTLQHAEIFLKNLKLFTLAESLGGFESLAELPAIMTHASVLKND  
RDVLGISDTLIRLSVGLLEDEEDLLEDLDQALKAHPPSGSHS

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.