

CTH recombinant protein

CTH, 1-405aa, Human, His tag, E Coli

CATALOG # AAA11820	HOST E Coli	APPLICATIONS SDS-Page
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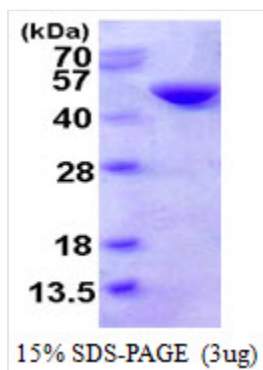
PRODUCT SYNONYMS

CTH; 1-405aa; Human; His tag; E Coli; Cystathionine gamma-lyase; Gamma-cystathionase; CTH recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl
Concentration	1mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MQEKDASSQG FLPHFQHFAT QAIHVGQDPE QWTSRAVVPP ISLSTTFKQG APGQHS GF EY SRSGNPTRNC LEKAVAALDG AKYCLAFASG LAATVTITHL LKAGDQIICM DDVYGGTNRY FRQVASEFGL KISFVDCSKI KLEAAITPE TKLVWIETPT NPTQKVIDIE GCAHIVHKHG DIILVVDNTF MSPYFQRPLA LGADISMYS A TKYMNGHSDV VMGLVSVNCE SLHNRLRFLQ NSLGAVPSPI DCYLCNRGLK TLHVRMEKHF KNGMAVAQFL ESNPWVEKVI YPGLPSHPQH ELVKRQCTGC TGMVTFYIKG TLQHAEIFLK NLKLFTLAES LGGFESLAEL PAIMTHASVL KNDRDVLGIS DTLIRLSVGL EDEEDLLEDL DQALKAHPP SGSHS
Sequence Length	405
Applicable Applications for CTH recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CTH recombinant protein	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. Recombinant human CTH protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for CTH recombinant protein	Metabolism
References	Chiku T., et al. (2009) J. Biol. Chem. 284:11601-11612; Sun Q., et al. (2009) J. Biol. Chem. 284:3076-3085

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361334
NCBI GeneID	1491
NCBI Accession #	NP_001893
NCBI GenBank Nucleotide #	NM_001902.5
UniProt Accession #	P32929; Q53FB3; Q53Y79; Q9H4W7; Q9H4W8; B4E1R2; E9PDV0
Molecular Weight	46.7kDa (425aa), confirmed by MALDI-TOF
NCBI Official Full Name	cystathionine gamma-lyase isoform 1
NCBI Official Synonym Full Names	cystathionine gamma-lyase
NCBI Official Symbol	CTH
NCBI Protein Information	cystathionine gamma-lyase
UniProt Protein Name	Cystathionine gamma-lyase
UniProt Gene Name	CTH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cth-recombinant-protein-e-coli-sds-page/11820>