

## Cystathionase Human Recombinant

<b>Item Number</b>	rAP-1279
<b>Synonyms</b>	Cystathionine gamma-lyase, Cysteine-protein sulfhydrase, Gamma-cystathionase, CTH.
<b>Description</b>	CTH Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 425 amino acids (1-405) and having a molecular mass of 46.7kDa.CTH is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P32929
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MQEKDASSQG FLPHFQHFAT QAIHVGQDPE QWTSRAVVPP ISLSTTFKQG APGQHS GF EY SRSGNPTRNC LEKAVAALDG AKYCLAFASG LAATVTITHL LKAGDQIICM DDVYGGTNRY FRQVASEFGL KISFVDCSKI KLLEAAITPE TKLVWIETPT NPTQKVIDIE GCAHIVHKHG DIILVDNTF MSPYFQRPLA LGADISMYS A TKYMNGHSDV VMGLVSVNCE SLHNRLRFLQ NSLGAV- PSP I DCYLCNRGLK TLHVRMEKHF KNGMAVAQFL ESNPWVEKVI YPGLPSPHQH ELVKRQCTGC TGMVTFYIKG TLQHAEIFLK NLKLF LAES LGGFESLAEL PAIMTHASVL KNDRDVLGIS DTLIRLSVGL EDEEDLLEDL DQALKAHPP SGSHS.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The CTH solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 100mM NaCl. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**