

Product datasheet for **AR50158PU-S**

CTH (1-405, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CTH (1-405, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MQEKDASSQG FLPHFQHFAT QAIHVGQDPE QWTSRAVPP ISLSTTFKQG APGQHS GF EY SRSGNPTRNC LEKAVAALDG AKYCLAFASG LAATVTITHL LKAGDQIICM DDVYGGTNR Y FRQVASEFGL KISFVDCSKI KLEAAITPE TKLVWIETPT NPTQKVIDIE GCAHIVHKHG DIILVDNTF MSPYFQRPLA LGADISM YSA TKYMNGHSDV VMGLVSVNCE SLHNRLRFLQ NSLGAVPSPI DCYLCNRGLK TLHVRMEKHF KNGMAVAQFL ESNPWVEKVI YPGLPSHPQH ELVKRQCTGC TGMVTFYIKG TLQHAEIFLK NLKFLTAES LGGFESLAEL PAIMTHASVL KNDRDVLGIS DTLIRLSVGL EDEEDLLEDL DQALKAAHPP SGSHS
Tag:	His-tag
Predicted MW:	46.7 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 10% glycerol, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CTH protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001177392
Locus ID:	1491
UniProt ID:	P32929



[View online »](#)

Cytogenetics: 1p31.1

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:

