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Datasheet for ABIN1350649

CTH Protein (AA 1-405) (GST tag)

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Overview

Quantity:	10 µg
Target:	CTH
Protein Characteristics:	AA 1-405
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTH protein is labelled with GST tag.
Application:	ELISA, Western Blotting (WB), Antibody Array (AA), Affinity Purification (AP)

Product Details

Purpose:	CTH (Human) Recombinant Protein (P01)
Sequence:	<p>MQEKDASSQG FLPHFQHFAT QAIHVGQDPE QWTSRAVPP ISLSTTFKQG APGQHSGFEY SRSGNPTRNC LEKAVAALDG AKYCLAFASG LAATVTITHL LKAGDQIICM DDVYGGTNRY FRQVASEFGL KISFVDCSKI KLEEAITPE TKLVWIETPT NPTQKVIDIE GCAHIVHKHG DIILVVDNTF MSPYFQRPLA LGADISMYSY TKYMNGRSDV VMGLVSVNCE SLHNRLRFLQ NSLGAVPSPI DCYLCNRGLK TLHVRMEKHF KNGMAVAQFL ESNPWVEKVI YPGLPSHPQH ELVKRQCTGC TGMVTFYIKG TLQHAEIFLK NLKLFTLAES LGGFESLAEL PAIMTHASVL KNDRDVLGIS DTLIRLSVGL EDEEDLLEDL DQALKAHPP SGSHS</p>
Characteristics:	Human CTH full-length ORF (AAH15807, 1 a.a. - 405 a.a.) recombinant protein with GST-tag at N-terminal.
Purification:	in vitro wheat germ expression system

Target Details

Target:	CTH
Alternative Name:	CTH (CTH Products)
Background:	Full Gene Name: cystathionase (cystathionine gamma-lyase) Synonyms: MGC9471
Gene ID:	1491
Pathways:	ER-Nucleus Signaling , Warburg Effect

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Preparation method: in vitro, wheat germ expression system Product Quality tested by: 12.5% SDS-PAGE Stained with Coomassie Blue.
Restrictions:	For Research Use only

Handling

Buffer:	50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer.
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-80 °C
Storage Comment:	Best use within three months from the date of receipt of this protein.

Publications

Product cited in: Nevoral, Žalmanová, Zámotná, Kott, Kučerová-Chrpová, Bodart, Gelaude, Procházka, Orsák, Šulc, Klein, Dvořáková, Weingartová, Víghová, Hošková, Krejčová, Jílek, Petr: "Endogenously produced hydrogen sulfide is involved in porcine oocyte maturation in vitro." in: **Nitric oxide : biology and chemistry / official journal of the Nitric Oxide Society**, Vol. 51, pp. 24-35, (2015) ([PubMed](#)).

Whiteman, Li, Rose, Tan, Parkinson, Moore: "The effect of hydrogen sulfide donors on lipopolysaccharide-induced formation of inflammatory mediators in macrophages." in: **Antioxidants & redox signaling**, Vol. 12, Issue 10, pp. 1147-54, (2010) ([PubMed](#)).

Baskar, Li, Moore: "Hydrogen sulfide-induces DNA damage and changes in apoptotic gene

expression in human lung fibroblast cells." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 21, Issue 1, pp. 247-55, (2006) ([PubMed](#)).



Image 1.