

## Recombinant Human CUTA, His-tagged

Cat. No. CUTA-2367H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CUTA protein, fused to His-tag at C-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques. 17.1 kDa (156aa).
<b>Species</b>	Human
<b>Source</b>	<i>E. coli</i>
<b>ProteinLength</b>	33-179 aa
<b>Description</b>	CUTA, also known as ACHAP (acetylcholinesterase-associated protein), is the 179 amino acid mammalian homolog of the cutA <i>E. coli</i> protein and is ubiquitously expressed, particularly in brain tissue. CUTA is thought to be involved in cellular tolerance to a wide variety of divalent cations other than copper. The CUTA protein is a cytoplasmic protein, encoded by the single-gene operon and has been linked to divalent cation tolerance.
<b>Form</b>	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol.
<b>Purity</b>	> 95% by SDS - PAGE.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay).
<b>Sequences Of Amino Acids</b>	MRLLLLPRVL LTMASGSPPT QPSPASDSGS GYVPGSVSAA FVTC PNEKVA KEIAR AVVEK RLAACVNLIP QITSIYEWKG KIEEDSEVLM MIKTQSSLVP ALTDFVRSVH

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PYEVAEVIAL PVEQGNFPYL QWVRQVTESV SDSITVLPLE HHHHHH.

**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.

## GENE INFORMATION

**Gene Name**

CUTA cutA divalent cation tolerance homolog (E. coli) [ Homo sapiens ]

**Synonyms**

cutA divalent cation tolerance homolog (E. coli); ACHAP; C6orf82; MGC111154; CUTA; protein CutA; divalent cation tolerant protein CUTA; acetylcholinesterase-associated protein; brain acetylcholinesterase putative membrane anchor; Acetylcholinesterase-associated protein; chromosome 6 open reading frame 82; cutA divalent cation tolerance homolog; Brain acetylcholinesterase putative membrane anchor

**Gene ID**

51596

**mRNA Refseq**

NM\_001014433

**Protein Refseq**

NP\_001014433

**UniProt ID**

O60888

**Chromosome Location**

6pter-p21.31

**Function**

enzyme binding

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