

Recombinant human CUTA protein

Catalog Number: ATGP0541

PRODUCT INFORMATION

Expression system

E.coli

Domain

33-179aa

UniProt No.

O60888

NCBI Accession No.

NP_001014840

Alternative Names

Protein CutA, CutA divalent cation tolerance homolog, Acetylcholinesterase-associated protein, Brain acetylcholinesterase putative membrane anchor, ACHAP, C6orf82

PRODUCT SPECIFICATION

Molecular Weight

17.1 kDa (156aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CuTA, also known as ACHAP (acetylcholinesterase-associated protein), is the 179 amino acid mammalian homolog of the cutA E. coli 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. Recombinant human CuTA protein, fused to His-tag at C-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

Amino acid Sequence

MRLLLLPRVL LTMASGSPPT QPSPASDSGS GYVPGSVSAA FVTCPNKVA KEIARAVVEK RLAACVNLP QITSIYEWKG
KIEEDSEVLM MIKTQSSLVP ALTDFVRSVH PYEVAEVIAL PVEQGNFPYL QWVRQVTECV SDSITVLPLE HHHHHH

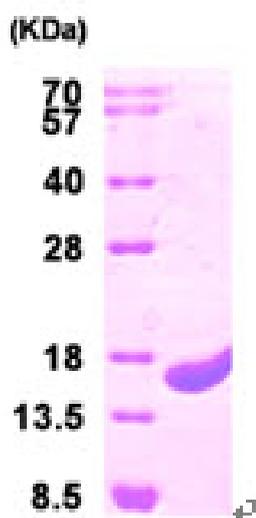
General References

Liang D., et al. (2009) FEBS J. 276(16):4473-82.

Takubo K., et al. (2009) Anticancer Drugs. 20(8):668-75.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)