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

conventional chromatography techniques.

Amino acid Sequence

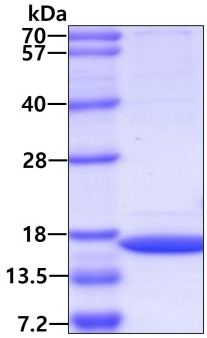
MRLLLLPRVL LTMASGSPPT QPSPASDSGS GYVPGSVSAA FVTCPNEKVA KEIARAVVEK RLAACVNLIP QITSIYEWKG KIEEDSEVLM MIKTQSSLVP ALTDFVRSVH PYEVAEVIAL PVEQGNFPYL QWVRQVTESV SDSITVLP<LE HHHHHH>

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.