

Recombinant human Aprataxin/APTX protein

Catalog Number: ATGP0479

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-168aa

UniProt No.

Q7Z2E3

NCBI Accession No.

NP_778241

Alternative Names

Aprataxin, AXA1, Ataxia 1 early onset with hypoalbuminemia, AOA, AOA1, EAOH, EOAHA, Forkhead-associated domain histidine triad-like protein, FHA-HIT

PRODUCT SPECIFICATION

Molecular Weight

23.9 kDa (205aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 20% glycerol, 100mM NaCl, 0.1mM PMSF

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

Aprataxin is a member of the histidine triad (HIT) superfamily, some of which have nucleotide-binding and diadenosine polyphosphate hydrolase activities. Aprataxin may play a role in single-stranded DNA repair. Mutations in the gene have been associated with neurological disorder known as ataxia oculomotor apraxia-1. Recombinant Aprataxin protein was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWAGSMQD PKMQVYKDEQ VVVIKDKYPK ARYHWLVLPW
TSISLKA VA REHLELLKHM HTVGEKVIVD FAGSSKLRFR LGYHAIPSMS HVHLHVISQD FDSPCLKNKK HWNSFNTEYF
LESQAVIEMV QEAGRVTVRD GMPELLKLPL RCHECQQLLP SIPQLKEHLR KHWTQ

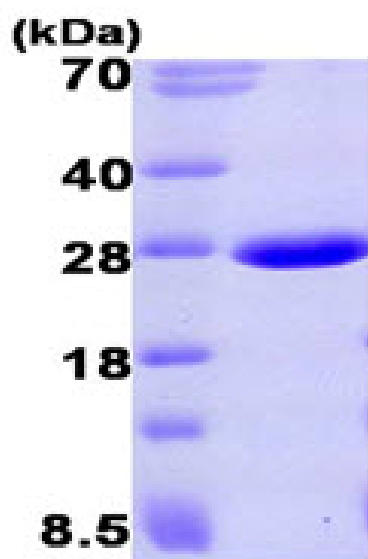
General References

Kijas A.W., et al (2006) J. Biol. Chem. 281:13939-13948

Rass u., et al. (2007) J. Biol. Chem. 282:9469-9474

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)