

Recombinant Human Aprataxin, His-tagged

Cat. No. APTX-1935H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Aprataxin protein fused to his-tag was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. 23.9kDa (205aa).
Species	Human
Source	E.coli
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.
Purity	> 95% by SDS – PAGE.
Physical Appearance	Liquid.
Formulation	Liquid. 20mM Tris-HCl buffer (pH7.5) containing 20% glycerol, 100mM NaCl, 0.1mM PMSF.
Concentration	0.25 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWAGSMQD PKM QVY KDEQ VVVIKDKYPK ARYHWLVLPW TSISSLKAVA REHLELLKHMHTVGEKVIVD FAGSSKLRFRLGYHAIPSMS HVHLHVISQD FDSPCLKNKK HWNSFNTEYF LE SQAVIEMV QEAGRVTVRD GMPELLKLPLRCHECQQ LLP SIPQ LKEHL R KH WT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Q.

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

APTX aprataxin [Homo sapiens]

Synonyms

APTX; aprataxin; AOA; AOA1; AXA1; EAOH; EOAHA; FHA-HIT; MGC1072; FLJ20157; forkhead-associated domain histidine triad-like protein; ataxia 1, early onset with hypoalbuminemia

Gene ID

54840

mRNA Refseq

NM_017692

Protein Refseq

NP_060162

MIM

606350

UniProt ID

Q7Z2E3

Chromosome Location

9p13.3

Function

DNA 5'-adenosine monophosphate hydrolase activity;chromatin binding;damaged DNA binding;double-stranded DNA binding;double-stranded RNA binding;hydrolase activity;metal ion binding;phosphoglycolate phosphatase activity;protein N-terminus binding;protein binding;zinc ion binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA