

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 FAGSSKLRFR LGYHAIPSMS HVHLHVISQD FDSPCLKNKK HWNSFNTEYF LE SQAVIEMV QEAGRVTVRD GMPPELLKLPLRCHECQQ LLP SIPQ LKEHL R KH WT

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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](#)

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