

Recombinant Human APTX protein, T7-tagged

Cat. No. APTX-258H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human APTX fused with T7 tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a member of the histidine triad (HIT) superfamily, some of which have nucleotide-binding and diadenosine polyphosphate hydrolase activities. The encoded protein may play a role in single-stranded DNA repair. Mutations in this gene have been associated with ataxia-ocular apraxia. Multiple transcript variants encoding distinct isoforms have been identified for this gene, however, the full length nature of some variants has not been determined.
Form	Supplied as a liquid in PBS, pH 7.2. No preservative added.
Applications	ELISA (EL/EIA). Suitable for use in ELISA as an Antigen, Ligand, or Assay Standard.
Notes	Small volumes of Aprataxin recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
Stability	May be stored at 4 centigrade for short-term only. For long-term storage, aliquot to avoid repeated freezing and thawing and freeze at -70 centigrade. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the

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cap. Aliquots are stable for at least 12 months.

Storage Storage at -70 centigrade

GENE INFORMATION

Gene Name APTX aprataxin [Homo sapiens]

Official Symbol APTX

Synonyms AOA; AOA1; AXA1; EAOH; EOAHA; FHA-HIT; aprataxin; forkhead-associated domain histidine triad-like protein

Gene ID 54840

mRNA Refseq NM_001195248

Protein Refseq NP_001182177

MIM 606350

UniProt ID Q7Z2E3

Chromosome Location 9p13.3

Function DNA 5'-adenosine monophosphate hydrolase activity; chromatin binding; damaged DNA binding

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