

Aprataxin Recombinant Protein | APTX recombinant protein

Recombinant Human Aprataxin

CATALOG # AAA38648	HOST E Coli
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PRODUCT SYNONYMS

Aprataxin; Recombinant Human Aprataxin; APTX Human; Aprataxin Human Recombinant; AXA1; AOA; FHA-HIT; AOA11; ataxia 1; early onset with hypoalbuminemia1 EOHA1; EAOH1; Forkhead-associated domain histidine triad-like protein; APTX; AOA1; EAOH; EOHA; MGC1072; FLJ20157; APTX recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The APTX solution (0.25mg/mL) contains 20mM Tris-HCl pH-7.5, 0.1M NaCl, 0.1mM PMSF and 20% glycerol.
Sequence	MRGSHHH HHHGMASMTG GQQMGRDLYD DDDKDRWAGS MQDPKM QVYKDEQVVV IKDKYPKARY HWLVLPWTSI SSLKAVAREH LELLKHMHTV GEKIVDFAG SSKLRFRLGY HAIPSM SHVH LHVISQDFDS PCLKNKKHWN SFNTEYFLES QAVIEMVQEA GRVTVRDGMP ELLKLPLRCH ECQQLPSIP QLKEHLRKHW TQ
Sequence Length	356
Physical Appearance	Sterile Filtered clear colorless solution.
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for APTX recombinant protein	Description: APTX Human Recombinant fused to a 37 amino acid His Tag at N-terminal produced in E Coli is a single, non-glycosylated, polypeptide chain containing 205 amino acids (1-168 a.a) and having a molecular mass of 23.9 kDa. The APTX is purified by proprietary chromatographic techniques. Introduction: APTX is a DNA-binding protein which participates in single-strand DNA break repair, double-strand DNA break repair and base excision repair. APTX determines abortive DNA ligation intermediates created each at base excision sites, or while DNA ligases attempt to restore non-ligatable breaks induced by reactive oxygen species. APTX catalyzes the release of adenylate groups covalently linked to 5"-phosphate termini, resulting in the production of 5"-phosphate termini that can be efficiently rejoined. APTX hydrolyzes adenosine 5"-monophosphoramidate (AMP-NH(2)) and diadenosine tetraphosphate (AppppA), but with lower catalytic activity.
Product Categories/Family for APTX recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	305410829
NCBI GeneID	54840
NCBI Accession #	NP_001182177.1
NCBI GenBank Nucleotide #	NM_001195248.1
UniProt Accession #	Q7Z2E3; Q0P662; Q5T781; Q5T782; Q5T784; Q6JV81; Q6JV82; Q6JV85; Q7Z2F3; A8MTN4; D3DRK9; D3DRL0

NCBI Official Full Name	aprataxin isoform e
NCBI Official Synonym Full Names	aprataxin
NCBI Official Symbol	APTX
NCBI Official Synonym Symbols	AOA; AOA1; AXA1; EAOH; EOAHA; FHA-HIT
NCBI Protein Information	aprataxin; forkhead-associated domain histidine triad-like protein
UniProt Protein Name	Aprataxin
UniProt Gene Name	APTX
UniProt Synonym Gene Names	AXA1; FHA-HIT
UniProt Entry Name	APTX_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/aptx-recombinant-protein-e-coli/38648>