

# Product information



## Aprataxin, 1-168aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0479

**Synonyms:** APTX, AXA1

**NCBI Accession No.:** NP\_778241

**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.

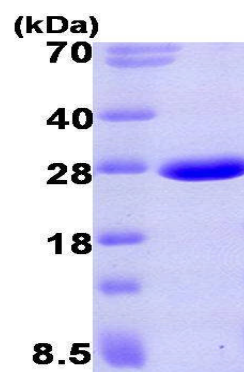
**Form:** Liquid. 20mM Tris-HCl buffer (pH7.5) containing 20% glycerol,

100mM NaCl, 0.1mM PMSF

**Molecular Weight:** 23.9kDa (205aa)

**Purity:** > 95% by SDS - PAGE

**Concentration:** 0.25 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWAGSMQD PKMQVYKDEQ VVVIKDKYPK ARYHWLVLPW TSISSLKAVA REHLELLKHM  
HTVGEKVIVD FAGSSKLRFR LGYHAIPSMS HVHLHVISQD FDSPCLKNKK HWNSFNTEYF LESQAVIEMV QEAGRVTVRD GMPPELLKLPL  
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

**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.

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

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Avoid repeated freezing and thawing cycles.

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