

**Aprataxin, 1-168aa, Human, His tag, E. coli**

**Cat.NO.: TP01202**

3th Edition

**Synonyms:** APTX, AXA1.

**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.

**Form:** Liquid. 20mM Tris-HCl buffer (pH7.5) containing 20% glycerol, 100mM NaCl, 0.1mM PMSF

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

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWAGSMQDPKMQVYKDEQVVVIKDKYPKARYHWLVLPWT  
SISSLKAVAREHLELLKHMHTVGEKVIVDFAGSSKLRFRLGYHAIPSMHVHLHVISQDFDSPCLKNKKHWNSFNTE  
YFLESQAVIEMVQEAGRVTVRDGMPELLKLPLRCHECQQLPSIPQLKEHLRKHWQTQ

**Purity:** > 95% by HPLC

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

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**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.