

Product datasheet for **RC222951**

Aprataxin (APTX) (NM_017692) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aprataxin (APTX) (NM_017692) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aprataxin
Synonyms:	AOA; AOA1; aprataxin; ataxia 1, early onset with hypoalbuminemia; AXA1; EAOH; EOAHA; FHA-HIT; FLJ20157; MGC1072; OTTHUMP00000021188
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222951 representing NM_017692 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGGACCCAAAATGCAGGTTTACAAAGATGAGCAGGTGGTGGTGATAAAGGATAAATACCCAAAGG
CCC GTTACCATTGGCTGGTCTTACCGTGGACCTCCATTCCAGTCTGAAGGCTGTGGCCAGGGAACACCT
TGAACCTCTTAAGCATATGCACACTGTGGGGGAAAAGGTGATTGTAGATTTTGCTGGGTCCAGCAAACCT
CGCTTCGATTGGGCTACCACGCCATTCGAGTATGAGCCATGTACATCTTCATGTGATCAGCCAGGATT
TTGATTCTCCTTGCCTTAAAAACAAAAACATTGGAATCTTTCAATACAGAATACTTCTAGAACACA
AGCTGTGATCGAGATGGTACAAGAGGCTGGTAGAGTAAGTGTCCGAGATGGGATGCCTGAGCTTTGAAG
CTGCCCTTCGTTGTCATGAGTGCCAGCAGCTGCTGCCTCCATTCTCAGCTGAAAGAATCTCAGGA
AGCACTGGACACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC222951 representing NM_017692
Red=Cloning site Green=Tags(s)

MQDPKMQVYKDEQVVVVKDKYPKARYHWLVLPWTSISLKA VAREHLELLKHMHTVGEKVI VDFAGSSKL
RFRLGYHAIPSMHVHLHVISQDFDSPCLKNKKHNSFNTEYFLESQAVIEMVQEAGRVTVRDGMPELLK
LPLRCHQCQQLLPSIPQLKEHLRKHWTQ

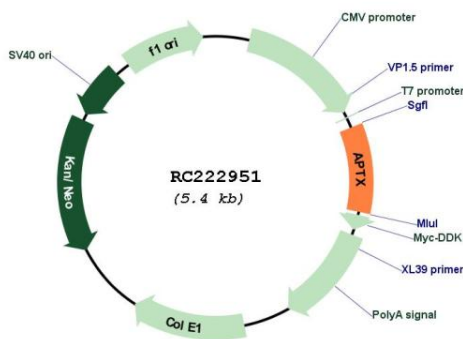
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV



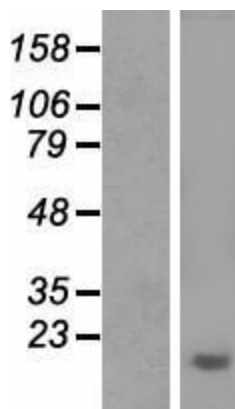
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Cytogenetics: 9p21.1
Domains: HIT, zf-C2H2
Protein Families: Druggable Genome
MW: 19.5 kDa
Gene Summary: This gene encodes a member of the histidine triad (HIT) superfamily. The encoded protein may play a role in single-stranded DNA repair through its nucleotide-binding activity and its diadenosine polyphosphate hydrolase activity. Mutations in this gene have been associated with ataxia-ocular apraxia. Alternatively spliced transcript variants have been identified for this gene.[provided by RefSeq, Aug 2010]

Product images:



Circular map for RC222951



Western blot validation of overexpression lysate (Cat# [LY406310]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC224363] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).