

## MPLKIP cDNA

Catalog Number: ATGD0351

### PRODUCT INFORMATION

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**Catalog number**

ATGD0351

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_619646.1

**Alternative Names**

ABHS, C7orf11, ORF20, TTD4

**mRNA Refseq**

NM\_138701.3

**OMIM**

609188

**Chromosome location**

7p14.1

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

540bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Hind III. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

**MPLKIP cDNA**

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TTDN1 (TTD non-photosensitive 1 protein), also known as C7orf11, ABHS or ORF20 localizes to the nucleus and shares 92% amino acid identity with its mouse counterpart. Mutations in this gene result in nonphotosensitive trichothiodystrophy.

**DATA**

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**Sequence nucleotides**

```
ATGCAGCGACAGAATTTTCGGCCCCCAACTCCTCCTTACCCTGGTCCGGGTGGAGGAGGTTGGGGTAGCGGAAGCAGCTTC
CGGGGAACCCCGGGCGGGGGCGGACCACGGCCGCCCTCCCCTCGAGACGGGTACGGGAGTCCGCACCACACGCCGCCG
TACGGGCCCCGGTCTAGGCCGTACGGGAGCAGTCACTCTCCGCGACACGGCGGCAGCTTCCCGGGGGGCCGGTTTCGGGT
CTCCGTCCCCTGGCGGCTACCCTGGCTCCTACTCCAGGTCCCCCGCGGGGTCCCAGCAGCAATTCGGCTACTCCCCAGGGC
AGCAGCAGACCCACCCCAAGGGTTCTCCAAGGACATCTACACCATTTGGATCAGGGCGTGTTAGAGAAAAAAGAATGTCTA
ATGAGTTGGAAAATTATTTCAAGCCTTCAATGCTTGAAGATCCTTGGGCTGGCCTAGAACCAGTATCTGTAGTGGATATAAG
CCAACAATACAGCAATACTCAAACATTCACAGGCAAAAAAGGAAGATACTTTTGTAA
```

**Transaction Sequence**

```
MQRQNFRRPT PPYPGPGGGG WSGSSFRGT PGGGGPRPPS PRDGYGSPHH TPPYGPRSRP YGSSHSRPHG
GSFPGGRFGS PSPGGYPGSY SRSPAGSQQQ FGYSPPQQQT HPQGSPTST PFGSGRVREK RMSNELENYF KPSMLEDPWA
GLEPVSVDI SQQYSNTQTF TGKKGRYFC
```