

# HHEX cDNA

Catalog Number: ATGD0109

## PRODUCT INFORMATION

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**Catalog number**

ATGD0109

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_002720.1

**Alternative Names**

HEX, HMPH, HOX11L-PEN, PRH, PRHX

**mRNA Refseq**

NM\_002729.4

**OMIM**

604420

**Chromosome location**

10q23.33

## PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

813bp

**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 Xho I. 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**

# HHEX cDNA

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HHEX encodes a member of the homeobox family of transcription factors, many of which are involved in developmental processes. Expression in specific hematopoietic lineages suggests that this protein may play a role in hematopoietic differentiation.

## DATA

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### Sequence nucleotides

```
ATGCAGTACCCGCACCCCGGGCCGGCGGGCGCCGTGGGGGTGCCGCTGTACGCGCCCACGCCGCTGCTGCAACCCG
CACACCCGACGCCCTTTTACATCGAGGACATCCTGGGCCGCGGGCCCGCCGCGCCCACGCCCGCCCCACGCTGCCGTCC
CCCAACTCCTCCTTCACCAGCCTCGTGTCCCCCTACCGGACCCCGGTGTACGAGCCCACGCCGATCCATCCAGCCTTCTCGC
ACCACTCCGCCGCCGCGCTGGCCGCTGCCTACGGACCCGGCGGCTTCGGGGGCCCTCTGTACCCCTTCCC GCGGACGGTG
AACGACTACACGCACGCCCTGCTCCGCCACGACCCCTGGGCAAACCTCTACTCTGGAGCCCCTTCTTGCAGAGGCCTCTG
CATAAAAGGAAAGGCGGCCAGGTGAGATTCTCCAACGACCAGACCATCGAGCTGGAGAAGAAATTCGAGACGCAGAAATAT
CTCTCTCCGCCCGAGAGGAAGCGTCTGGCCAAGATGCTGCAGCTCAGCGAGAGACAGGTCAAACCTGGTTTCAGAATCGA
CGCGCTAAATGGAGGAGACTAAAACAGGAGAACCCCTCAAAGCAATAAAAAAGAAGAACTGGAAAGTTTGGACAGTTCCTGT
GATCAGAGGCAAGATTTGCCAGTGAACAGAATAAAGGTGCTTCTTTGGATAGCTCTCAATGTTTCGCCCTCCCCTGCCTCCC
AGGAAGACCTTGAATCAGAGATTTAGAGGATTCTGATCAGGAAGTGGACATTGAGGGCGATAAAAGCTATTTAATGCTG
GATGA
```

### Transaction Sequence

```
MQYPHPGPAA GAVGVPLYAP TPLLQPAHPT PFYIEDILGR GPAAPTPAPT LPSPNSSFTS LVSPYRTPVY EPTPIHPAFS
HHSAAAALAAA YGPGGFGGPL YPFPRTVNDY THALLRHDPL GKPLLWSPFL QRPLHKRKGQ QVRFSNDQTI ELEKKFETQK
YLSPPERKRL AKMLQLSERQ VKTWFQNRRA KWRRLKQENP QSNKKEELES LDSSCDQRQD LPSEQNKGAS LDSSQCSPSP
ASQEDLESEI SEDSDQEVDI EGDKSYFNAG
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