

HESX1 cDNA

Catalog Number: ATGD0150

PRODUCT INFORMATION

Catalog number

ATGD0150

Product type

cDNA

Species

Human

NCBI Accession No.

NP_003856.1

Alternative Names

ANF, CPHD5, RPX

mRNA Refseq

NM_003865.2

OMIM

601802

Chromosome location

3p14.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

558bp

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

HESX1 cDNA

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HESX1 encodes a conserved homeobox protein that is a transcriptional repressor in the developing forebrain and pituitary gland. Mutations in HESX1 are associated with septooptic dysplasia, HESX1-related growth hormone deficiency, and combined pituitary hormone deficiency.

DATA

Sequence nucleotides

```
ATGTCTCCCAGCCTTCAGGAAGGCGCTCAGCTCGGGGAAAACAAACCCTCAACTTGCTCCTTTTCAATTGAGAGAATCTTAG
GACTGGACCAGAAGAAAGACTGTGTTCCATTAATGAAACCCACAGGCCCTGGGCAGACACCTGCAGCTCATCAGGGAAAG
ATGGTAACTTATGTCTACATGTCCCAAATCCTCCCAGTGGGATTTTCATTCCCTAGCGTGGTGGATCACCCAATGCCAGAAGA
AAGAGCTTCGAAATATGAAAATTACTTTTTCAGCCTCAGAAAGACTGTCTTTGAAAAGAGAGTTGAGTTGGTATAGAGGCCGA
AGACCAAGAAGACTGCTTTTACTCAAACCAGATTGAAGTGTTAGAAAATGTCTTTAGAGTAAACTGCTATCCTGGTATCGATAT
TAGAGAAGACTTAGCTCAAAAATTGAATCTAGAGGAAGACAGAATCCAGATTTGGTTTCAAATCGGCGTGCAAAACTGAAA
AGGTCCCATAGAGAATCACAGTTTCTAATGGCGAAAAAAAATTTCAACACAAATCTGCTGGAATAG
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Transaction Sequence

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MSPSLQEGAQ LGENKPSTCS FSIERILGLD QKKDCVPLMK PHRPWADTCS SSGKDGNLCLHVPNPPSGIS FPSVVDHPMP
EERASKYENY FSASERLSLK RELSWYRGR PRTAFTQNQIEVLENVFRVN CYPGIDIRE LAQKLNLEED RIQIWFQNR
AKLKRSHRES QFLMAKKNFNTNLE
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