

HES6 cDNA

Catalog Number: ATGD0317

PRODUCT INFORMATION

Catalog number

ATGD0317

Product type

cDNA

Species

Human

NCBI Accession No.

NP_061115.2

Alternative Names

bHLHb41, bHLHc23, C-HAIRY1, HES-6

mRNA Refseq

NM_018645.5

OMIM

610331

Chromosome location

2q37.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

675bp

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 Nde 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

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HES6 encodes a member of a subfamily of basic helix-loop-helix transcription repressors that have homology to the Drosophila enhancer of split genes. Members of this gene family regulate cell differentiation in numerous cell types. HES6 functions as a cofactor, interacting with other transcription factors through a tetrapeptide domain in its C-terminus. Alternatively spliced transcript variants encoding different isoforms have been described.

DATA

Sequence nucleotides

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ATGGCGCCACCCGCGGCGCCTGGCCGGGACCGTGTGGGCCGTGAGGATGAGGACGGCTGGGAGACGCGAGGGGACCGC
AAGGCCCGGAAGCCCCTGGTGGAGAAGAAGCGGCGCGCGCGGATCAACGAGAGCCTGCAGGAGCTGCGGCTGCTGCTGG
CGGGCGCCGAGGTGCAGGCCAAGCTGGAGAACGCCGAAGTGCTGGAGCTGACGGTGCGGCGGGTCCAGGGTGTGCTGC
GGGGCCGGGCGCGGAGCGCGAGCAGCTGCAGGCGGAAGCGAGCGAGCGCTTCGCTGCCGGCTACATCCAGTGCATGCA
CGAGGTGCACACGTTCTGTCCACGTGCCAGGCCATCGACGCTACCGTCGCTGCCGAGCTCCTGAACCATCTGCTCGAGTC
CATGCCGCTGCGTGAGGGCAGCAGCTTCCAGGATCTGCTGGGGGACGCCCTGGCGGGGGCCACCTAGAGCCCCTGGACGG
AGTGGCTGGCCTGCGGGGGGCGCTCCGGGATCCCCAATACCCAGCCCCCGGGTCCTGGGGACGACCTGTGCTCCGACCT
GGAGGAGGCCCTGAGGCTGAACTGAGTCAGGCTCCTGCTGAGGGGCCCCGACTTGGTGCCCGCAGCCCTGGGCAGCCTG
ACCACAGCCCAAATTGCCCGGAGTGTCTGGAGGCCTTGTTGA
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Transaction Sequence

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MAPPAAPGRD RVGREDEDGW ETRGDRKARK PLVEKKRRAR INESLQELRL LLAGAEVQAKLENAEVLELT VRRVQGVLRG
RAREREQLQA EASERFAAGY IQCMHEVHTF VSTCQAIDATVAAELLNHLL ESMPLREGSS FQDLLGDALA GPPRAPGRSG
WPAGGAPGSP IPSPPGPGDDLCSDL EEAP EELSQA PAEG PDLVPAALGS LT TAQIAR SV WRPW
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