

HES2 cDNA

Catalog Number: ATGD0318

PRODUCT INFORMATION

Catalog number

ATGD0318

Product type

cDNA

Species

Human

NCBI Accession No.

NP_061962.2

Alternative Names

bHLHb40

mRNA Refseq

NM_019089.4

OMIM

609970

Chromosome location

1p36.31

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

522bp

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

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HES2 is a member of the HES family and contains one basic helix-loop-helix (bHLH) domain and one orange domain. The HES family members form a complex with TLE, the mammalian homologue of Groucho, and this interaction is mediated by the carboxy terminal WRPW motif of the HES proteins. Activation of Notch signaling pathway leads to activation of HES family genes through the interaction between Notch intracellular domain and RBPSuH (CSL). HES2 is expressed in a variety of adult and embryonic tissue.

DATA

Sequence nucleotides

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ATGGGGCTGCCTCGCCGGGCAGGGGACGCGGCGGAGCTGCGCAAGAGCCTGAAGCCGCTGCTGGAGAAGCGCCGGCGC
GCGCGCATCAACCAGAGCCTGAGCCAGCTTAAGGGGCTCATCCTGCCGCTGCTGGGCCGGGAGAACTCCAAGTCTCGAA
GCTAGAGAAGGCAGACGTCCTGGAAATGACCGTGCGCTTCCTGCAGGAGCTGCCTGCGTCCTCATGGCCCACGGCAGCGC
CCCTGCCTTGCGACAGCTACCGCGAGGGGCTACAGCGCCTGTGTGGCGCGCCTGGCCCGCGTGCTGCCCGCCTGCCGTGTC
CTGGAGCCCGCCGTGAGCGCGCGCCTGCTGGAGCACCTGTGGCGGAGAGCGGCCAGCGCCACCCTGGACGGCGGGCGC
GCTGGGGATTCCAGTGGCCCGTCTGCCCCGCCCCAGCGCCCGCGTCTGCCCCAGAGCCCGCATCCGCTCCGGTGCCCTC
GCCGCCCTCGCCTCCCTGCGGCCCTGGCCTCTGGCGGCCGTGGTAG
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Transaction Sequence

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MGLPRRAGDA AELRKSLKPL LEKRRRARIN QLSQLKGLI LPLLGREN SN CSKLEKADVLEMTVRFLQEL PASSWPTAAP
LPCDSYREGY SACVARLARV LPACRVLEPA VSARLLEHLWRRAASATLDG GRAGDSSGPS APAPAPASAP EPASAPVPSP
PSPPCGGLW RPW
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