

Recombinant Human BHLHE40, His-tagged

Cat. No. BHLHE40-10221H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human BHLHE40 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.

Species Human

Source E.coli

ProteinLength 1-412 aa

Description This gene encodes a basic helix-loop-helix protein expressed in various tissues. Expression in the chondrocytes is responsive to the addition of Bt2cAMP. The encoded protein is believed to be involved in the control of cell differentiation.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name BHLHE40 basic helix-loop-helix family, member e40 [Homo sapiens]

Official Symbol BHLHE40

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Synonyms

BHLHE40; basic helix-loop-helix family, member e40; basic helix loop helix domain containing, class B, 2 , BHLHB2, STRA13; class E basic helix-loop-helix protein 40; differentiated embryo chondrocyte expressed gene 1; bHLHe40; DEC1; differentially expressed in chondrocytes 1; class B basic helix-loop-helix protein 2; stimulated by retinoic acid gene 13 protein; enhancer-of-split and hairy-related protein 2; differentially expressed in chondrocytes protein 1; basic helix-loop-helix domain containing, class B, 2; HLHB2; BHLHB2; STRA13; Stra14; SHARP-2; FLJ99214;

Gene ID

8553

mRNA Refseq

NM_003670

Protein Refseq

NP_003661

MIM

604256

UniProt ID

O14503

Chromosome Location

3p26

Pathway

BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Circadian rhythm - mammal, organism-specific biosystem; Circadian rhythm - mammal, conserved biosystem; Circadian rhythm pathway, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; HIF-2-alpha transcription factor network, organism-specific biosystem;

Function

DNA binding; E-box binding; MRF binding; RNA polymerase II activating transcription factor binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcriptio

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