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℃. 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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