Recombinant Human BHLHE40 Protein, Myc/DDK-tagged

Cat. No. BHLHE40-04H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human basic helix-loop-helix family, member e40 (BHLHE40) with C-terminal Myc/DDK tag, expressed in HEK293T.
Species	Human
Source	HEK293
Description	This gene encodes a basic helix-loop-helix protein expressed in various tissues. The encoded protein can interact with ARNTL or compete for E-box binding sites in the promoter of PER1 and repress CLOCK/ARNTL's transactivation of PER1. This gene is believed to be involved in the control of circadian rhythm and cell differentiation.
Molecular Mass	45.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

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GENE INFORMATION

Gene Name	BHLHE40 basic helix-loop-helix family member e40 [Homo sapiens (human)]
Official Symbol	BHLHE40
Synonyms	BHLHE40; basic helix-loop-helix family member e40; DEC1; HLHB2; BHLHB2; Clast5; SHARP2; STRA13; Stra14; SHARP-2; class E basic helix-loop-helix protein 40; basic helix-loop-helix domain containing, class B, 2; class B basic helix-loop-helix protein 2; differentially expressed in chondrocytes 1; differentially expressed in chondrocytes protein 1; differentiated embryo chondrocyte expressed gene 1; enhancer-of-split and hairy-related protein 2; stimulated by retinoic acid gene 13 protein
Gene ID	8553
mRNA Refseq	NM_003670
Protein Refseq	NP_003661
MIM	604256
UniProt ID	O14503

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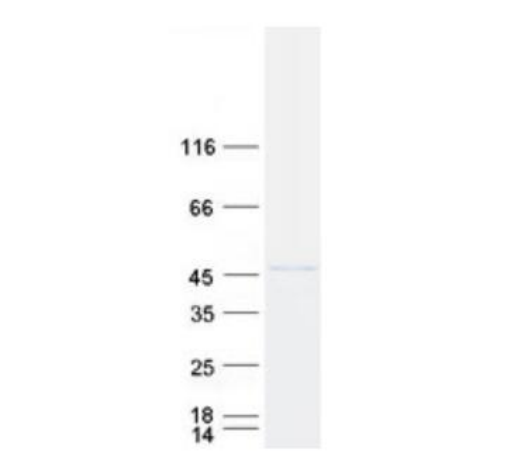
SDS-PAGE



Coomassie blue staining of purified BHLHE40 protein. The protein was produced from HEK293T cells transfected with BHLHE40 cDNA clone using MegaTran 2.0.

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