

# Recombinant Full Length Human BHLHE40 Protein, GST-tagged

**Cat. No.** BHLHE40-1725HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | Human BHLHE40 full-length ORF ( ABZ92197.1, 1 a.a. - 412 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 412 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | 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.                                                                                                                                                                                            |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 45.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MERIPSAQPPPAACLPKAPGLEHGDLPGMYPAHMYQVYKSRRGIKRSEDSKETYLKLP<br>HRLIEKKRRDRINECIAQLKDLLPEHLKLTTLGHLEKAVVLELTCLKHVKALTNLIDQQQ<br>QKIIALQSGQLQAGELSGRNVETGQEMFCSGFQTCAREVLQYLAKHENTRDLKSSQL<br>VTHLHRVVSELLQGGTSRKPSDPAPKVMDFKKEKPSSPAKGSEGPKNKCVPIQRTF<br>AHSSGEQSGSDTDTDSGYGGESEKGDRLRSEQPCFKSDHGRRFTMGERIGAIIKQES<br>EPPPTKKNRMQLSDDDEGHFTSSDLISSPFLGPHPHQPPFCLPFYLIPPSATAYLPMLE<br>KCWYPTSVPLYPGLNASAAALSSFMNPDKISAPLLMPQRLPSPLPAHPSVDSSVLL |

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| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | BHLHE40 basic helix-loop-helix family, member e40 [ Homo sapiens ]                                                                                                                                                                      |
| <b>Official Symbol</b> | BHLHE40                                                                                                                                                                                                                                 |
| <b>Synonyms</b>        | 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 |
| <b>Gene ID</b>         | 8553                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_003670                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_003661                                                                                                                                                                                                                               |
| <b>MIM</b>             | 604256                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>      | O14503                                                                                                                                                                                                                                  |