

# Recombinant Full Length Human BARHL1 Protein, GST-tagged

**Cat. No.** BARHL1-1817HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human BARHL1 full-length ORF ( NP_064448.1, 1 a.a. - 327 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>    | 327 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Enables sequence-specific double-stranded DNA binding activity. Predicted to be involved in regulation of transcription by RNA polymerase II. Predicted to act upstream of or within several processes, including negative regulation of neuron apoptotic process; nervous system development; and sensory perception of sound. Predicted to be part of chromatin. Predicted to be active in nucleus. Biomarker of Alzheimer's disease; high grade glioma; and triple-receptor negative breast cancer. |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 61.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MEGSNGFGIDSILSHRAGSPALPKGDPLLGDRCSPLELSRSESSSDCSPASPGR<br>DCLETGTPRPGGASGPGLDLQPGQLSAPAQSRVTSSFLIRDILADCKPLAACAP<br>YSSSGQPAAPEPGGRLAAKAAEDFRDKLDKSGSNASSDSEYKVKEEGDREISSRD<br>SPPVRLKKPRKARTAFTHQLAQLERSFERQKYLSVQDRMELAASLNLTDTQVKTW<br>YQNRRTKWKRQTAVGLELLAEAGNYSALQRMFPSPYFYPQSLVSNLDPGAALYLIR                                                                                                                                                                                                     |

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GPSAPPPALQRPLVPRILIHGLQGASEPPPPLPPLAGVLPRAAQPR

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <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

|                        |                                                                                      |
|------------------------|--------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | BARHL1 BarH-like homeobox 1 [ Homo sapiens ]                                         |
| <b>Official Symbol</b> | BARHL1                                                                               |
| <b>Synonyms</b>        | BARHL1; BarH-like homeobox 1; BarH (Drosophila) like 1; barH-like 1 homeobox protein |
| <b>Gene ID</b>         | 56751                                                                                |
| <b>mRNA Refseq</b>     | NM_020064                                                                            |
| <b>Protein Refseq</b>  | NP_064448                                                                            |
| <b>MIM</b>             | 605211                                                                               |
| <b>UniProt ID</b>      | Q9BZE3                                                                               |

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