

## Recombinant Mouse Bhlha15 Protein, Myc/DDK-tagged

**Cat. No.** Bhlha15-1862M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length basic helix-loop-helix family, member a15 (Bhlha15), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Plays a role in controlling the transcriptional activity of MyoD, ensuring that expanding myoblast populations remain undifferentiated. Repression may occur through muscle-specific E-box occupancy by homodimers. May also negatively regulate bHLH-mediated transcription through an N-terminal repressor domain. Serves as a key regulator of acinar cell function, stability, and identity. Also required for normal organelle localization in exocrine cells and for mitochondrial calcium ion transport. May function as a unique regulator of gene expression in several different embryonic and postnatal cell lineages. Binds to the E-box consensus sequence 5'-CANNTG-3'.
<b>Molecular Mass</b>	22.6 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Bhlha15 basic helix-loop-helix family, member a15 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Bhlha15](#)

**Synonyms**

BHLHA15; basic helix-loop-helix family, member a15; class A basic helix-loop-helix protein 15; MIST-1; class B basic helix-loop-helix protein 8; muscle, intestine and stomach expression 1; basic helix-loop-helix domain containing, class B, 8; Mist1; Bhlhb8; 1810009C13Rik

**Gene ID** [17341](#)

**mRNA Refseq** [NM\\_010800](#)

**Protein Refseq** [NP\\_034930](#)

**UniProt ID** [Q9QYC3](#)

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