

Recombinant Mouse Bhlha15 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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'.
Molecular Mass	22.6 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 after receiving vials.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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