

Recombinant Mouse Zbtb18 Protein, Myc/DDK-tagged

Cat. No. Zbtb18-7051M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse zinc finger and BTB domain containing 18 (Zbtb18), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transcriptional repressor that plays a role in various developmental processes such as myogenesis and brain development. Specifically binds the consensus DNA sequence 5'-[AC]ACATCTG[GT][AC]-3' which contains the E box core, and acts by recruiting chromatin remodeling multiprotein complexes. Plays a key role in myogenesis by directly repressing the expression of ID2 and ID3, 2 inhibitors of skeletal myogenesis. Also involved in controlling cell division of progenitor cells and regulating the survival of postmitotic cortical neurons. May also play a role in the organization of chromosomes in the nucleus.
Molecular Mass	58.4 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.

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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 Zbtb18 zinc finger and BTB domain containing 18 [Mus musculus (house mouse)]

Official Symbol Zbtb18

Synonyms Zbtb18; zinc finger and BTB domain containing 18; RP; RP58; Zfp23; Zfp238; Znf238.; zfp-238; zinc finger and BTB domain-containing protein 18; 58 kDa repressor protein; transcriptional repressor RP58; zinc finger protein 238

Gene ID 30928

mRNA Refseq NM_013915

Protein Refseq NP_038943

UniProt ID Q9WUK6

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