

Recombinant Mouse Figla Protein, Myc/DDK-tagged

Cat. No. Figla-3016M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length folliculogenesis specific basic helix-loop-helix (Figla), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Germ-line specific transcription factor implicated in postnatal oocyte-specific gene expression. Plays a key regulatory role in the expression of multiple oocyte-specific genes, including those that initiate folliculogenesis and those that encode the zona pellucida (ZP1, ZP2 and ZP3) required for fertilization and early embryonic survival. Essential for oocytes to survive and form primordial follicles. The persistence of FIGLA in adult females suggests that it may regulate additional pathways that are essential for normal ovarian development. Binds to the E-box (5'-CANNTG-3') of the ZPs (ZP1, ZP2, ZP3) promoters.
Molecular Mass	22 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 *Figla* folliculogenesis specific basic helix-loop-helix [*Mus musculus* (house mouse)]

Official Symbol *Figla*

Synonyms *Figla*; folliculogenesis specific basic helix-loop-helix; bHLHc; bHLHc8; FIGalpha; factor in the germline alpha; FIG alpha; transcription factor FIGa

Gene ID 26910

mRNA Refseq NM_012013

Protein Refseq NP_036143

UniProt ID O55208

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