

## Recombinant Mouse Morc3 Protein, Myc/DDK-tagged

**Cat. No.** Morc3-4113M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length microorchidia 3 (Morc3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Nuclear factor which forms MORC3-NBs (nuclear bodies) via an ATP-dependent mechanism. Sumoylated MORC3-NBs can also associate with PML-NBs. Recruits TP53 and SP100 to PML-NBs, thus regulating TP53 activity. Binds RNA in vitro. Histone methylation reader which binds to non-methylated (H3K4me0), monomethylated (H3K4me1), dimethylated (H3K4me2) and trimethylated (H3K4me3) 'Lys-4' on histone H3. The order of binding preference is H3K4me3 > H3K4me2 > H3K4me1 > H3K4me0.
<b>Molecular Mass</b>	107 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.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

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

## GENE INFORMATION

**Gene Name** Morc3 microrchidia 3 [ *Mus musculus* (house mouse) ]

**Official Symbol** Morc3

**Synonyms** MORC3; microrchidia 3; zinc finger, CW-type with coiled-coil domain 3; NXP2; Zcwcc3; AI452146; BF318192; D16Jhu32e; 1110051N18Rik

**Gene ID** 338467

**mRNA Refseq** NM\_001045529

**Protein Refseq** NP\_001038994

**UniProt ID** F7BJB9

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