

Recombinant Mouse Morc3 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length microorchidia 3 (Morc3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	107 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.
Concentration	>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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