

Recombinant Mouse Hmgn3 Protein, Myc/DDK-tagged

Cat. No. Hmgn3-3415M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length high mobility group nucleosomal binding domain 3 (cDNA clone MGC:11574 IMAGE:3597594), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Binds to nucleosomes, regulating chromatin structure and consequently, chromatin-dependent processes such as transcription, DNA replication and DNA repair. Affects both insulin and glucagon levels and modulates the expression of pancreatic genes involved in insulin secretion. Regulates the expression of the glucose transporter SLC2A2 by binding specifically to its promoter region and recruiting PDX1 and additional transcription factors. Regulates the expression of SLC6A9, a glycine transporter which regulates the glycine concentration in synaptic junctions in the central nervous system, by binding to its transcription start site. May play a role in ocular development and astrocyte function.
Molecular Mass	10.3 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.

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Storage	Store at -80 centigrade after receiving vials.
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	Hmgn3 high mobility group nucleosomal binding domain 3 [Mus musculus (house mouse)]
Official Symbol	Hmgn3
Synonyms	Hmgn3; high mobility group nucleosomal binding domain 3; TR; HMGN; TRIP7; BB071015; 1110002A15Rik; 6330514M13Rik; high mobility group nucleosome-binding domain-containing protein 3
Gene ID	94353
mRNA Refseq	NM_026122
Protein Refseq	NP_080398
UniProt ID	Q9DCB1

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