

## Recombinant Mouse Hmgn3 Protein, Myc/DDK-tagged

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

### SPECIFICATION

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|-------------------------|---|
| <b>Product Overview</b> | 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.   |
| <b>Species</b>          | Mouse   |
| <b>Source</b>           | HEK293  |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 10.3 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.   |

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| <b>Storage</b>          | Store at -80 centigrade after receiving vials.   |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method   |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.  |
| <b>GENE INFORMATION</b> |  |
| <b>Gene Name</b>        | Hmgn3 high mobility group nucleosomal binding domain 3 [ Mus musculus (house mouse) ]  |
| <b>Official Symbol</b>  | Hmgn3  |
| <b>Synonyms</b>         | Hmgn3; high mobility group nucleosomal binding domain 3; TR; HMGN; TRIP7; BB071015; 1110002A15Rik; 6330514M13Rik; high mobility group nucleosome-binding domain-containing protein 3 |
| <b>Gene ID</b>          | 94353  |
| <b>mRNA Refseq</b>      | NM_026122  |
| <b>Protein Refseq</b>   | NP_080398  |
| <b>UniProt ID</b>       | Q9DCB1   |

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