

## Product datasheet for **TP500264**

### Hmgn3 (BC005693) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse 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, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR200264 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MPKRKSPENTEGKDGTKLTKQEPTRRSARLSAKPVPPKPESKPRKTSAKKEPGTKISRGAKGKKEEKQEA GEEGTAPSANGDTKVEEVLSTNTSH  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	10.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	94353
UniProt ID:	<a href="#">Q9DCB1</a>
RefSeq Size:	1419
Cytogenetics:	9 E2
RefSeq ORF:	285



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**Synonyms:** TRIP7, HMGN3a, HMGN3b

**Summary:** 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. [UniProtKB/Swiss-Prot Function]