

Product datasheet for MC207028

Hmgn3 (BC005693) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hmgn3 (BC005693) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hmgn3
Synonyms:	TRIP7, HMGN3a, HMGN3b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC005693 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGCCGAAGAGAAAGTCTCCGAGAACACAGAGGGCAAAGATGGAACCAAGCTAACTAAGCAGGAGCCCA
CAAGACGGTCGGCCAGGTTGTCCGCGAAACCTGTTCCACCAAACCGAGTCTAAACCAAGAAAAACATC
AGCTAAGAAAGAACCTGGAACAAAGATTAGCAGAGGTGCTAAGGGGAAGAAGGAAGAAAGCAGGAAGCT
GGAGAGGAAGGTACTGCACCATCTGCAATGGTGACACTAAAGTTGAAGAGGTACTTTCCACAAACACCT
CCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	BC005693
Insert Size:	288 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).


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Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC005693 , AAH05693
RefSeq Size:	1419 bp
RefSeq ORF:	287 bp
Locus ID:	94353
Cytogenetics:	9 E2
Gene Summary:	<p>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]</p>