High Mobility Group Nucleosome-Binding Domain-Containing Protein 3 (HMGN3) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	High mobility group nucleosome-binding domain-containing protein 3 (HMGN3), Recombinant Protein
Full Product Name	Recombinant Bovine High mobility group nucleosome-binding domain-containing protein 3 (HMGN3)
Product Gene Name	HMGN3 recombinant protein
Product Synonym Gene Name	HMGN3
Sequence	MPKRKSPENT EGKDGSKVTK QEPTRRSARL SAKPAPPKPE PKPRKTSAKK EPAAKVSKGV KGKKEEKQEA GKEGTAAPSE NGDTKTEEAQ KTESVANEGE
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	10,709 Da
Sequence Positions	1-100, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q3ZBV4
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for HMGN3 recombinant protein	Thyroid hormone receptors are hormone-dependent transcription factors that regulate expression of a variety of specific target genes. This protein binds thyroid hormone receptor beta, but only in the presence of thyroid hormone. The encoded protein, a member of the HMGN protein family, is thought to reduce the compactness of the chromatin fiber in nucleosomes, thereby enhancing transcription from chromatin templates. Two transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of HMGN3 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HMGN3 purchase	MBS1391122 is a recombinant protein targeting HMGN3. Also known as Recombinant Bovine High mobility group nucleosome-binding domain-containing protein 3 (HMGN3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HMGN3. It may not necessarily be applicable to this product.

NCBI GI #	77735955
NCBI GeneID	515652

NCBI Accession #	NP_001029676.1
UniProt Primary Accession #	Q3ZBV4
UniProt Related Accession #	Q3ZBV4
GenBank Nucleotide #	NM_001034504.2
NCBI Official Full Name	high mobility group nucleosome-binding domain-containing protein 3
NCBI Official Synonym Full Names	high mobility group nucleosomal binding domain 3
NCBI Official Symbol	HMGN3
UniProt Protein Name	High mobility group nucleosome-binding domain-containing protein 3
Protein Family	High mobility group nucleosome-binding domain-containing protein
UniProt Gene Name	HMGN3
NCBI Protein Information	high mobility group nucleosome-binding domain-containing protein 3
UniProt Comments for HMGN3	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 ().
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