Probable Jmjc Domain-Containing Histone Demethylation Protein 2c (JMJD1C) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable JmjC domain-containing histone demethylation protein 2C (Jmjd1c), Recombinant Protein
Full Product Name	Recombinant Mouse Probable JmjC domain-containing histone demethylation protein 2C (Jmjd1c) , partial
Product Gene Name	Jmjd1c recombinant protein
Product Synonym Gene Name	Jmjd1c
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	260,639 Da
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 Q69ZK6
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Jmjd1c recombinant protein	MBS1353045 is a recombinant protein targeting Jmjd1c. Also known as Recombinant Mouse Probable JmjC domain-containing histone demethylation protein 2C (Jmjd1c) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Jmjd1c 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Jmjd1c. It may not necessarily be applicable to this product.

NCBI GI #	334724461
NCBI GeneID	108829
NCBI Accession #	NP_001229325.1
UniProt Primary Accession #	Q69ZK6
UniProt Secondary Accession #	Q6NV48; Q8BUF5; Q8C4I5; Q8C5Q9; E9QMM8
UniProt Related Accession #	Q69ZK6
GenBank Nucleotide #	NM_001242396.1
NCBI Official Full Name	probable JmjC domain-containing histone demethylation protein 2C isoform 2

NCBI Official Synonym Full Names	jumonji domain containing 1C
NCBI Official Symbol	Jmjd1c
NCBI Official Synonym Symbols	TRIP8; Jmjdic; 5430433L24Rik; D630035I23Rik
UniProt Protein Name	Probable JmjC domain-containing histone demethylation protein 2C
UniProt Synonym Protein Names	Jumonji domain-containing protein 1C
Protein Family	Probable JmjC domain-containing histone demethylation protein
UniProt Gene Name	Jmjd1c
UniProt Synonym Gene Names	Jhdm2c; Kiaa1380
NCBI Protein Information	probable JmjC domain-containing histone demethylation protein 2C
UniProt Comments for Jmjd1c	Probable histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central role in histone code. Demethylation of Lys residue generates formaldehyde and succinate. May be involved in hormone-dependent transcriptional activation, by participating in recruitment to androgen-receptor target genes ().
Research Articles on Jmjd1c	**1.** These results indicate that JMJD1C has multiple functions during spermatogenesis through interactions with different partners during the spermatogenic stages
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