Histone-Lysine N-Methyltransferase SETD7 (setd7) Danio Rerio Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histone-lysine N-methyltransferase SETD7 (setd7), Recombinant Protein
Full Product Name	Recombinant Danio rerio Histone-lysine N-methyltransferase SETD7 (setd7)
Product Gene Name	setd7 recombinant protein
Product Synonym Gene Name	setd7
Sequence	MDSDDDNMEE VVEGPLDEDD QPHGFCTVTY SSSDRFEGHF VHGEKNGKGK FFFFDGSTLE GFYVDDALQG QGVYTYEDGG ALHGFYVDGE LNGPAQEFNS DGQLVFRGRY KDNIRYGMCW VYYPDGACVV GEVNEEGEMT GKAVAYVYPD GRTALYGSFV DGELIEARLA TLTTQENGRP HFTVDPDSPI YCYDKSTSSC IAGHKLLPDP YESQRVYVGQ SLISGAGEGL FAQTEAEANT VMAFYNGVRI THTEVDSRDW SMNGNTISLD EDTVIDVPAP FNMTENYCGS LGHKANHSFS PNCKYDQYVH PRFGQIKCIR TIRAVEKDEE LTVAYGYDHE PSGKSGPEAP EWYTKQFLEF QQRESGKGAD ETC
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	41,512 Da
Sequence Positions	1-373, 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 Q6DHG0
Species	Zebrafish
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for setd7 recombinant protein	MBS1473088 is a recombinant protein targeting setd7. Also known as Recombinant Danio rerio Histone-lysine N-methyltransferase SETD7 (setd7). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of setd7 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 setd7. It may not necessarily be applicable to this product.

NCBI GI #	50539972
NCBI GeneID	436729
NCBI Accession #	NP_001002456.1
UniProt Primary Accession #	Q6DHG0

UniProt Related Accession #	Q6DHG0
GenBank Nucleotide #	NM_001002456.1
NCBI Official Full Name	histone-lysine N-methyltransferase SETD7
NCBI Official Synonym Full Names	SET domain containing (lysine methyltransferase) 7
NCBI Official Symbol	setd7
NCBI Official Synonym Symbols	set7; zgc:92330; zgc:101860
UniProt Protein Name	Histone-lysine N-methyltransferase SETD7
UniProt Synonym Protein Names	SET domain-containing protein 7
Protein Family	Histone-lysine N-methyltransferase
UniProt Gene Name	setd7
NCBI Protein Information	histone-lysine N-methyltransferase SETD7
UniProt Comments for setd7	Histone methyltransferase that specifically monomethylates 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. Plays a central role in the transcriptional activation of genes. Has also methyltransferase activity toward non-histone proteins.
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