Histone-Lysine N-Methyltransferase, H3 Lysine-79 Specific (Dot1), Partial (dot1) Neosartorya Fumigata Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histone-lysine N-methyltransferase, H3 lysine-79 specific (dot1), partial, Recombinant Protein
Full Product Name	Recombinant Neosartorya fumigata Histone-lysine N-methyltransferase, H3 lysine-79 specific (dot1), partial
Product Gene Name	dot1 recombinant protein
Product Synonym Gene Name	dot1; AFUA_5G12110
Product Synonym Names	Histone-lysine N-methyltransferase, H3 lysine-79 specific; EC=2.1.1.43; Histone H3-K79 methyltransferase; H3-K79-HMTase
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	56,798 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 Q4WVH4
Species	Neosartorya fumigata (strain MYA-4609 / Af293 / CBS 101355 / FGSC A1100) (Aspergillus fumigatus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dot1 recombinant protein	MBS1371335 is a recombinant protein targeting dot1. Also known as Recombinant Neosartorya fumigata Histone-lysine N-methyltransferase, H3 lysine-79 specific (dot1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dot1 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 dot1. It may not necessarily be applicable to this product.

NCBI GI #	70997383
NCBI GeneID	3511508
NCBI Accession #	XP_753440.1
UniProt Primary Accession #	Q4WVH4
UniProt Related Accession #	Q4WVH4
GenBank Nucleotide #	XM_748347.1

NCBI Official Full Name	conserved hypothetical protein
NCBI Official Symbol	AFUA_5G12110
UniProt Protein Name	Histone-lysine N-methyltransferase, H3 lysine-79 specific
UniProt Synonym Protein Names	Histone H3-K79 methyltransferase; H3-K79-HMTase
Protein Family	Glycine-rich protein
UniProt Gene Name	dot1
UniProt Synonym Gene Names	H3-K79-HMTase
UniProt Entry Name	DOT1_ASPFU
NCBI Protein Information	hypothetical protein
UniProt Comments for dot1	Histone methyltransferase that specifically methylates histone H3 to form H3K79me. This methylation is required for telomere silencing and for the pachytene checkpoint during the meiotic cell cycle by allowing the recruitment of RAD9 to double strand breaks. Nucleosomes are preferred as substrate compared to free histones ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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