Methyltransferase-Like Protein 21d (METTL21D) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Methyltransferase-like protein 21D (Mettl21d), Recombinant Protein
Full Product Name	Recombinant Mouse Methyltransferase-like protein 21D (Mettl21d)
Product Gene Name	Mettl21d recombinant protein
Product Synonym Gene Name	Mettl21d
Sequence	AAAVEPEVED PLWSFVRVLE KRDGTVLRLQ QYGSGGVGCV VWDAAIVLSK YLETPGFSGD GAHALSRRSV LELGSGTGAV GLMAATLGAD VIVTDLEELQ DLLKMNIDMN KHLVTGSVQA KVLKWGEDIE DLMSPDYILM ADCIYYEESL EPLLKTLKDL SGSETCIICC YEQRTMGKNP EIEKKYFELL QLDFDFEEIP LDKHDEEYRS EDIHIVYIRK KKPKPPS
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	9,249 Da
Sequence Positions	2-228, 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 Q8C436
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Mettl21d recombinant protein	MBS1385614 is a recombinant protein targeting Mettl21d. Also known as Recombinant Mouse Methyltransferase-like protein 21D (Mettl21d). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Mettl21d 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 Mettl21d. It may not necessarily be applicable to this product.

NCBI GI #	98986329
NCBI GeneID	207965
NCBI Accession #	NP_001028408.2
UniProt Primary Accession #	Q8C436
UniProt Secondary Accession #	Q3UML0; B2RSP0

UniProt Related Accession #	Q8C436
GenBank Nucleotide #	NM_001033236.2
NCBI Official Full Name	protein-lysine methyltransferase METTL21D
NCBI Official Synonym Full Names	valosin containing protein lysine (K) methyltransferase
NCBI Official Symbol	Vcpkmt
NCBI Official Synonym Symbols	Gm71; VCP-KMT; Mettl21d; Mettl221d
UniProt Protein Name	Protein-lysine methyltransferase METTL21D
UniProt Synonym Protein Names	Methyltransferase-like protein 21D; VCP lysine methyltransferase; VCP-KMT; Valosin-containing protein lysine methyltransferase
UniProt Gene Name	Vcpkmt
UniProt Synonym Gene Names	Gm71; Mettl21d; VCP-KMT
NCBI Protein Information	protein-lysine methyltransferase METTL21D
UniProt Comments for Mettl21d	Protein-lysine N-methyltransferase that specifically trimethylates 'Lys-315' of VCP/p97; this modification may decrease VCP ATPase activity.
Research Articles on Mettl21d	**1.** Lysine Methylation of the Valosin-Containing Protein (VCP) Is Dispensable for Development and Survival of Mice
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