Methyl-Cpg-Binding Domain Protein 3-Like 2 (MBD3L2) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Methyl-CpG-binding domain protein 3-like 2 (MBD3L2), Recombinant Protein
Full Product Name	Recombinant Human Methyl-CpG-binding domain protein 3-like 2 (MBD3L2)
Product Gene Name	MBD3L2 recombinant protein
Product Synonym Gene Name	MBD3L2
Sequence	MGEPAFTSFP SLPVLGKLKR NMMPWALQKK REIHMAKAHR RRAARSALPM RLTSCIFRRP VTRIRSHPDN QVRRRKGDEH LEKPQQLCAY RRLQALQPCS SQGEGSSPLH LESVLSILAP GTAGESLDRA GAERVRSPLE PTPGRFPAVA GGPTPGMGCQ LPPPLSGQLV TPADIRRQAR RVKKARERLA KALQADRLAR RAEMLTGG
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	22,994 Da
Sequence Positions	1-208, 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.
OMIM	607964
3D Structure	ModBase 3D Structure for Q8NHZ7
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MBD3L2 recombinant protein	This gene encodes a protein that is related to methyl-CpG-binding proteins but lacks the methyl-CpG binding domain. The protein has been found in germ cell tumors and some somatic tissues.
Other Notes	Small volumes of MBD3L2 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 MBD3L2 purchase	MBS1374809 is a recombinant protein targeting MBD3L2. Also known as Recombinant Human Methyl-CpG-binding domain protein 3-like 2 (MBD3L2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MBD3L2. It may not necessarily be applicable to this product.

NCBI GI #	157389003
NCBI GeneID	125997
NCBI Accession #	NP_653215.2

UniProt Primary Accession #	Q8NHZ7
UniProt Related Accession #	Q8NHZ7
GenBank Nucleotide #	NM_144614.3
NCBI Official Full Name	methyl-CpG-binding domain protein 3-like 2
NCBI Official Synonym Full Names	methyl-CpG binding domain protein 3 like 2
NCBI Official Symbol	MBD3L2
UniProt Protein Name	Methyl-CpG-binding domain protein 3-like 2
Protein Family	Methyl-CpG-binding domain protein
UniProt Gene Name	MBD3L2
UniProt Synonym Gene Names	MBD3-like protein 2
NCBI Protein Information	methyl-CpG-binding domain protein 3-like 2
UniProt Comments for MBD3L2	MiscellaneousThe MBD3L proteins are encoded by strongly repeated regions of the 19p13 chromosome. The exact number of functional copies is unclear, and some of them may represent pseudogenes.
Research Articles on MBD3L2	**1.** MBD3L2 is more effective than MBD3 in promoting Tet2 enzymatic activity through strengthening the binding affinity between Tet2 and the methylated DNA target.
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