DNA Dc->Du-Editing Enzyme APOBEC-3 (APOBEC3) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA dC->dU-editing enzyme APOBEC-3 (Apobec3), Recombinant Protein
Full Product Name	Recombinant Mouse DNA dC->dU-editing enzyme APOBEC-3 (Apobec3)
Product Gene Name	Apobec3 recombinant protein
Product Synonym Gene Name	Apobec3
Sequence	MGPFCLGCSH RKCYSPIRNL ISQETFKFHF KNLGYAKGRK DTFLCYEVTR KDCDSPVSLH HGVFKNKDNI HAEICFLYWF HDKVLKVLSP REEFKITWYM SWSPCFECAE QIVRFLATHH NLSLDIFSSR LYNVQDPETQ QNLCRLVQEG AQVAAMDLYE FKKCWKKFVD NGGRRFRPWK RLLTNFRYQD SKLQEILRPC YIPVPSSSSS TLSNICLTKG LPETRFCVEG RRMDPLSEEE FYSQFYNQRV KHLCYYHRMK PYLCYQLEQF NGQAPLKGCL LSEKGKQHAE ILFLDKIRSM ELSQVTITCY LTWSPCPNCA WQLAAFKRDR PDLILHIYTS RLYFHWKRPF QKGLCSLWQS GILVDVMDLP QFTDCWTNFV NPKRPFWPWK GLEIISRRTQ RRLRRIKESW GLQDLVNDFG NLQLGPPMS
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	48,615 Da
Sequence Positions	1-429, 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 Q99J72
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Apobec3 recombinant protein	MBS1314496 is a recombinant protein targeting Apobec3. Also known as Recombinant Mouse DNA dC->dU-editing enzyme APOBEC-3 (Apobec3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Apobec3 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 Apobec3. It may not necessarily be applicable to this product.

NCBI GI #	1039749735
NCBI GeneID	80287
NCBI Accession #	XP_017172295.1

UniProt Primary Accession #	Q99J72
UniProt Secondary Accession #	Q8C7L0; Q8C8V7; H3BJL0
UniProt Related Accession #	Q99J72
GenBank Nucleotide #	XM_017316806.1
NCBI Official Full Name	DNA dC->dU-editing enzyme APOBEC-3 isoform X1
NCBI Official Synonym Full Names	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 3
NCBI Official Symbol	Apobec3
NCBI Official Synonym Symbols	Arp3; Rfv3; Cem15; Apobec; Gm20117; BC003314
UniProt Protein Name	DNA dC->dU-editing enzyme APOBEC-3
UniProt Synonym Protein Names	Apolipoprotein B mRNA-editing complex 3; Arp3; CEM-15; CEM15
Protein Family	DNA dC->dU-editing enzyme
UniProt Gene Name	Apobec3
UniProt Synonym Gene Names	Arp3; CEM15
NCBI Protein Information	DNA dC->dU-editing enzyme APOBEC-3
UniProt Comments for Apobec3	DNA deaminase (cytidine deaminase) which acts as an inhibitor of retrovirus replication and retrotransposon mobility via deaminase-dependent and -independent mechanisms. Selectively targets single-stranded DNA and does not deaminate double-stranded DNA or single-or double-stranded RNA. Exhibits antiviral activity against HIV-1, simian immunodeficiency viruses (SIVs), mouse mammary tumor virus (MMTV) and friend murine leukemia virus (FrMLV) and may inhibit the mobility of LTR retrotransposons.
Research Articles on Apobec3	**1.** our current work indicated that APOBEC3 copy number variations might have a good screening accuracy for breast cancer.
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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