

Probable DNA dC->dU-editing enzyme APOBEC-3C (APOBEC3C) Recombinant Protein | APOBEC3C recombinant protein

Recombinant Human Probable DNA dC->dU-editing enzyme APOBEC-3C (APOBEC3C)

CATALOG # AAA117235	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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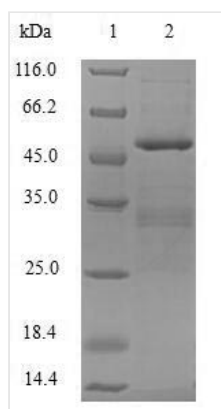
PRODUCT SYNONYMS

Probable DNA dC->dU-editing enzyme APOBEC-3C (APOBEC3C); Recombinant Human Probable DNA dC->dU-editing enzyme APOBEC-3C (APOBEC3C); Probable DNA dC->dU-editing enzyme APOBEC-3C; EC=3.5.4.-; APOBEC1-like; Phorbolin I; APOBEC3C recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-190aa; Full Length of BC011739
Sequence	MNPQIRNPMK AMYPGTFYFQ FKNLWEANDR DETWLCFTVE GIKRRSVVSW KTGVERNQVD SETHCHAERC FLSWFCDDIL SPNTKYQVTW YTSWSPCPDC AGEVAEFLAR HSNVNLIFT ARLYYFQYPC YQEGLRSLSQ EGVAVEIMDY EDFKYCWENF VYNDNEPFKP WKGLKTNFRL LKRRLRESLQ
Species	Homo sapiens (Human)
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.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for APOBEC3C recombinant protein	DNA deaminase (cytidine deaminase) which acts as an inhibitor of retrovirus replication and retrotransposon mobility via deaminase-dependent and -independent mechanisms. After the penetration of retroviral nucleocapsids into target cells of infection and the initiation of reverse transcription, it can induce the conversion of cytosine to uracil in the minus-sense single-strand viral DNA, leading to G-to-A hypermutations in the subsequent plus-strand viral DNA. The resultant detrimental levels of mutations in the proviral genome, along with a deamination-independent mechanism that works prior to the proviral integration, together exert efficient antiretroviral effects in infected target cells. Selectively targets single-stranded DNA and does not deaminate double-stranded DNA or single-or double-stranded RNA. Exhibits antiviral activity against simian immunodeficiency virus (SIV), hepatitis B virus (HBV), herpes simplex virus 1 (HHV-1) and Epstein-Barr virus (EBV) and may inhibit the mobility of LTR and non-LTR retrotransposons. May also play a role in the epigenetic regulation of gene expression through the process of active DNA demethylation.
Product Categories/Family for APOBEC3C recombinant protein	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	22907039
NCBI GeneID	27350
NCBI Accession #	NP_055323.2
NCBI GenBank Nucleotide #	NM_014508.2
UniProt Accession #	Q9NRW3; Q5JZ92; Q7Z2N7; Q96F12; B2R884
Molecular Weight	49.8 kDa
NCBI Official Full Name	DNA dC->dU-editing enzyme APOBEC-3C
NCBI Official Synonym Full Names	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3C
NCBI Official Symbol	APOBEC3C
NCBI Official Synonym Symbols	A3C; PBI; ARP5; ARDC2; ARDC4; APOBEC1L; bK150C2.3
NCBI Protein Information	DNA dC->dU-editing enzyme APOBEC-3C; phorbolin I; probable DNA dC->dU-editing enzyme APOBEC-3C; apolipoprotein B editing enzyme catalytic polypeptide-like 3C
UniProt Protein Name	DNA dC->dU-editing enzyme APOBEC-3C
UniProt Gene Name	APOBEC3C
UniProt Synonym Gene Names	APOBEC1L; PBI; A3C
UniProt Entry Name	ABC3C_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/apobec3c-recombinant-protein-e-coli/117235>