



# Recombinant Human DNA dC->dU-editing enzyme APOBEC-3G (APOBEC3G)

<b>Product Code</b>	CSB-EP888025HU
<b>Abbreviation</b>	APOBEC3G
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9HC16
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MKPHFRNTVE RMYRDTFSYN FYNRPILSRR NTVWLCYEVK TKGPSRPPLD AKIFRGQVYS ELKYHPEMRF FHWFSKWRKL HRDQEYEVTV YISWSPCTKC TRDMATFLAE DPKVTLTIFV ARLYYFWDPD YQEALRSLCQ KRDGPRATMK IMNYDEFQHC WSKFVYSQRE LFEPWNNLPK YYILLHIMLG EILRHSM DPP TFTFNFNNEP WVRGRHETYL CYEVERMHND TWVLLNQRRG FLCNQAPHKH GFLEGRHAEL CFLDVIPFWK LDLDQDYRVT CFTSWSPCFS CAQEMAKFIS KNKHVSLCIF TARIYDDQGR CQEGLRTLAE AGAKISIMTY SEFKHCWDTF VDHQGC PFQP WDGLDEHSQD LSGRLRAILQ NQEN
<b>Source</b>	E.coli
<b>Target Names</b>	APOBEC3G
<b>Protein Names</b>	Recommended name: DNA dC->dU-editing enzyme APOBEC-3G EC= 3.5.4.- Alternative name(s): APOBEC-related cytidine deaminase Short name= APOBEC-related protein Short name= ARCD APOBEC-related protein 9 Short name= ARP-9
<b>Expression Region</b>	1-384
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22. Members of the cluster encode proteins that are structurally and functionally related to the C to U RNA-editing cytidine deaminase APOBEC1. It is thought that the proteins may be RNA editing enzymes and have roles in growth or cell cycle control. This protein has been found to be a specific inhibitor of human immunodeficiency virus-1 (HIV-1) infectivity.



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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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