

Recombinant Human APOBEC3D, His-tagged

Cat. No. APOBEC3D-9756H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human APOBEC3D protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	162-271a.a.
Description	This gene is a member of the cytidine deaminase gene family. It is one of a group of related genes 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 and inhibit retroviruses, such as HIV, by deaminating cytosine residues in nascent retroviral cDNA.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	APOBEC3D apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3D [
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	Homo sapiens]
Official Symbol	APOBEC3D
Synonyms	APOBEC3D; apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3D; APOBEC3E, apolipoprotein B mRNA editing enzyme, catalytic polypeptide like 3D (putative) , apolipoprotein B mRNA editing enzyme, catalytic polypeptide like 3E pseudogene; probable DNA dC->dU-editing enzyme APOBEC-3D; ARP6; probable DNA dC-> dU-editing enzyme APOBEC-3D; DNA dC-> apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3E pseudogene; APOBEC3E; APOBEC3DE;
Gene ID	140564
mRNA Refseq	NM_152426
Protein Refseq	NP_689639
MIM	609900
UniProt ID	Q96AK3
Chromosome Location	22q13.1
Function	hydrolase activity; hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in cyclic amidines; metal ion binding; zinc ion binding;