

Recombinant Human APOBEC1

Cat. No. APOBEC1-26872TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human APOBEC1 with an N terminal proprietary tag; Predicted MWt 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	This gene encodes a member of the cytidine deaminase enzyme family. The encoded protein forms a multiple-protein editing holoenzyme with APOBEC1 complementation factor (ACF) and APOBEC1 stimulating protein (ASP). This holoenzyme is involved in the editing of C-to-U nucleotide bases in apolipoprotein B and neurofibromatosis-1 mRNAs.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Expressed exclusively in the small intestine.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	SGVTIQIMRASEYYHCWRNFVNYPGDEAHWPQYPPLWMMMLYALELHCIILSLPPCL KISRRWQNHLTFFRLHLQNCHYQTIPPHILLATGLIHPSVAWR
Sequence Similarities	Belongs to the cytidine and deoxycytidylate deaminase family.

GENE INFORMATION

Gene Name	APOBEC1 apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1 [Homo sapiens]
Official Symbol	APOBEC1
Synonyms	APOBEC1; apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1; C->U-editing enzyme APOBEC-1; APOBEC 1; BEDP; CDAR1; HEPR;
Gene ID	339
mRNA Refseq	NM_001644
Protein Refseq	NP_001635
MIM	600130
Uniprot ID	P41238
Chromosome Location	12p13.1

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Pathway

Formation of the Editosome, organism-specific biosystem; mRNA Editing, organism-specific biosystem; mRNA Editing: C to U Conversion, organism-specific biosystem; mRNA Processing, organism-specific biosystem;

Function

AU-rich element binding; RNA binding; cytidine deaminase activity; hydrolase activity; metal ion binding;

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