



# Recombinant Human C->U-editing enzyme APOBEC-1 (APOBEC1)

<b>Product Code</b>	CSB-MP001919HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P41238
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MTSEKGPSTG DPTLRRRIEP WEFDVFYDPR ELRKEACLLY EIKWGM SRKI WRSSGKNTTN HVEVNFIIKF TSERDFHPSM SCSITWFLSW SPCWECSQAI REFLSRHPGV TLVIYVARLF WHMDQQNRQG LRDLVNSGVT IQIMRASEYY HCWRNFVNYP PGDEAHWPQY PPLWMMLYAL ELHCIILSLP PCLKISRRWQ NHLTFFRLHL QNCHYQTIPP HILLATGLIH PSVAWR
<b>Source</b>	Mammalian cell
<b>Target Names</b>	APOBEC1
<b>Protein Names</b>	Recommended name: C->U-editing enzyme APOBEC-1 EC= 3.5.4.- Alternative name(s): Apolipoprotein B mRNA-editing enzyme 1 HEPR
<b>Expression Region</b>	1-236
<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 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.
<b>Reconstitution</b>	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.
<b>Shelf Life</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.