



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

Product Code	CSB-MP001919HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P41238
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MTSEKGPSTG DPTLRRRIEP WFDVFDYDPR ELRKEACLLY EIKWGMSRKI WRSSGKNTTN HVEVNFIIKF TSERDFHPSM SCSITWFLSW SPCWECSQAI REFLSRHPGV TLVIYVARLF WHMDQQNRQG LRDLVNSGVT IQIMRASEYY HCWRNFVNYP PGDEAHWPQY PPLWMMLYAL ELHCIILSLP PCLKISRRWQ NHLTFFRLHL QNCHYQTIPP HILLATGLIH PSVAWR
Source	Mammalian cell
Target Names	APOBEC1
Protein Names	Recommended name: C->U-editing enzyme APOBEC-1 EC= 3.5.4.- Alternative name(s): Apolipoprotein B mRNA-editing enzyme 1 HEPR
Expression Region	1-236
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
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.
Shelf Life	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.