Recombinant Human Double-stranded RNA-specific editase 1 (ADARB1)

Product Code	CSB-BP001325HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P78563
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MDIEDEENMS SSSTDVKENR NLDNVSPKDG STPGPGEGSQ LSNGGGGGPG RKRPLEEGSN GHSKYRLKKR RKTPGPVLPK NALMQLNEIK PGLQYTLLSQ TGPVHAPLFV MSVEVNGQVF EGSGPTKKKA KLHAAEKALR SFVQFPNASE AHLAMGRTLS VNTDFTSDQA DFPDTLFNGF ETPDKAEPPF YVGSNGDDSF SSSGDLSLSA SPVPASLAQP PLPVLPPFPP PSGKNPVMIL NELRPGLKYD FLSESGESHA KSFVMSVVVD GQFFEGSGRN KKLAKARAAQ SALAAIFNLH LDQTPSRQPI PSEGLQLHLP QVLADAVSRL VLGKFGDLTD NFSSPHARRK VLAGVVMTTG TDVKDAKVIS VSTGTKCING EYMSDRGLAL NDCHAEIISR RSLLRFLYTQ LELYLNNKDD QKRSIFQKSE RGGFRLKENV QFHLYISTSP CGDARIFSPH EPILEGSRSY TQAGVQWCNH GSLQPRPPGL LSDPSTSTFQ GAGTTEPADR HPNRKARGQL RTKIESGEGT IPVRSNASIQ TWDGVLQGER LLTMSCSDKI ARWNVVGIQG SLLSIFVEPI YFSSIILGSL YHGDHLSRAM YQRISNIEDL PPLYTLNKPL LSGISNAEAR QPGKAPNFSV NWTVGDSAIE VINATTGKDE LGRASRLCKH ALYCRWMRVH GKVPSHLLRS KITKPNVYHE SKLAAKEYQA AKARLFTAFI KAGLGAWVEK PTEQDQFSLT P
Source	Baculovirus
Target Names	ADARB1
Protein Names	Recommended name: Double-stranded RNA-specific editase 1 EC= 3.5.-.- Alternative name(s): RNA-editing deaminase 1 RNA-editing enzyme 1 dsRNA adenosine deaminase
Expression Region	1-741
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 the enzyme responsible for pre-mRNA editing of the glutamate receptor subunit B by site-specific deamination of adenosines. Studies in rat found that this enzyme acted on its own pre-mRNA molecules to convert an AA dinucleotide to an AI dinucleotide which resulted in a new splice site. Alternative splicing of this gene results in several transcript variants, some of which have been characterized by the presence or absence of an ALU

	cassette insert and a short or long C-terminal region.
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.