



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

<b>Product Code</b>	CSB-MP001325HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P78563
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>MDIEDEENMS SSSTDVKENR NLDNVSPKDG STPGPGEGSQ            LSNGGGGGPG RKRPLEEGSN GHSKYRLKKR RKTGPGVLPK NALMQLNEIK            PGLQYTLLSQ TGPVHAPLFV MSVEVNGQVF EGSPTKKKA KLHAAEKALR            SFVQFPNASE AHLAMGRTLS VNTDFTSDQA DFPDTLFGF ETPDKAEPFF            YVGSNGDDSF SSSGDLSLSA SPVPASLAQP PLPVLPPFPP PSGKNPVMIL            NELRPGLKYD FLSEGESHA KSFVMSVVVD GQFFEGSGRN KKLAKARAAQ            SALAAIFNLH LDQTPSRQPI PSEGLQLHLP QVLADAVSRL VLGKFGDLTD            NFSSPHARRK VLAGVVMTTG TDVKDAKVIS VSTGTKCING EYMSTRGLAL            NDCHAEIISR RSLRFLYTQ LELYLNNKDD QKRSIFQKSE RGGFRLKENV            QFHLYISTSP CGDARIFSPH EPILEGSRSY TQAGVQWCNH GSLQPRPPGL            LSDPSTSTFQ GAGTTEPADR HPNRKARGQL RTKIESGEGT IPVRSNASIQ            TWDGVLQGER LLTMSCSDKI ARWNVVGIQG SLLSIFVEPI YFSSILGSL            YHGDHLSTRAM YQRISNIEDL PPLYTLNKPL LSGISNAEAR QPGKAPNFSV            NWTVGDSAIE VINATTGKDE LGRASRLCKH ALYCRWMRVH GKVPSHLLRS            KITKPNVYHE SKLAAKEYQA AKARLFTAFI KAGLGAWVEK PTEQDQFSLT P</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	ADARB1
<b>Protein Names</b>	<p>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</p>
<b>Expression Region</b>	1-741
<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>	<p>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</p>



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

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**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.

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**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.