

Recombinant Full Length Human ADARB1 Protein, GST-tagged

Cat. No. ADARB1-929HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADARB1 full-length ORF (NP_056648.1, 1 a.a. - 741 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	741 amino acids
Description	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. [provided by RefSeq, Jul 2008]
Molecular Mass	107.2 kDa
AA Sequence	MDIEDEENMS SSSTDVKENR NLDNVSPKDG STPGPGEGSQ LSNGGGGGPG RKRPLEEGSN GHSKYRLKKR RKTPGPVLPK NALMQLNEIK PGLQYTLLSQ TGPVHAPLFV MSVEVNGQVF EGS GPTKKKA KLHAAEKALR SFVQFPNASE AHLAMGRTL S VNTDFTSDQA DFPDTLFNGF ETPDKAEPF YVGSNGDDSF SSSGDLSLSA SPVPASLAQP PLPVLPPFPF PSGKNPVMIL NELRPGLKYD

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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

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ADARB1 adenosine deaminase, RNA-specific, B1 [Homo sapiens]

Official Symbol

ADARB1

Synonyms

ADARB1; adenosine deaminase, RNA-specific, B1; adenosine deaminase, RNA specific, B1 (homolog of rat RED1); double-stranded RNA-specific editase 1; ADAR2; ADAR2a; ADAR2a L1; ADAR2a L2; ADAR2a L3; ADAR2b; ADAR2c; ADAR2d; ADAR2g; DRABA2; DRADA2; hRED1; RED1; RED1 homolog (rat); RNA editase;

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RED1 homolog; RNA-editing enzyme 1; RNA editing deaminase 1; RNA-editing deaminase 1; dsRNA adenosine deaminase; human dsRNA adenosine deaminase DRADA2; adenosine deaminase, RNA-specific, B1 (RED1 homolog rat); adenosine deaminase, RNA-specific, B1 (homolog of rat RED1)

Gene ID 104

mRNA Refseq NM_001112

Protein Refseq NP_001103

MIM 601218

UniProt ID P78563

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