Recombinant Human ADARB1 cell lysate

Cat. No. ADARB1-28HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

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;

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	ADAR2a; ADAR2a L1; ADAR2a L2; ADAR2a L3; ADAR2b; ADAR2c; ADAR2d; ADAR2g; DRABA2; DRADA2; hRED1; RED1; RED1 homolog (rat); RNA editase; 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
Chromosome Location	21q22.3
Pathway	C6 deamination of adenosine, organism-specific biosystem; Formation of editosomes by ADAR proteins, organism-specific biosystem; Gene Expression, organism-specific biosystem; mRNA Editing, organism-specific biosystem; mRNA Editing: A to I Conversion, organism-specific biosystem;
Function	RNA binding; adenosine deaminase activity; double-stranded RNA adenosine deaminase activity; double-stranded RNA binding; double-stranded RNA binding; hydrolase activity; mRNA binding; metal ion binding;

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