

## Recombinant Human ADARB1 Protein, GST-tagged

Cat. No. ADARB1-314H 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** Wheat Germ

**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**

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MDIEEENMSSSSTDVKENRNLDNVSPKDGSTPGPGEGSQLSNGGGGGPGRKRP
LEEGSNGHISKYRLKRRKTPGPVLPKNALMQLNEIKPGLQYTLLSQTGPVHAPLFV
MSVEVNGQVFEGSGPTKKKAKLHAAEKALRSFVQFPNASEAHLAMGRTLSVNTDFT
SDQADFPDTLFGNFETPDKAEPPFYVGSNGDDSFSSSGDLSLSASPVPASLAQPPL
PVLPPFPSPGKNPVMILNELRPGLKYDFLSESGESHAKSFVMSVVVDGQFFEGSG
RNKKLAKARAAQSALAAIFNLHLDQTPSRQPPISEGLQLHLPQVLADAVSRLVLGKF
GDLTDNFSSPHARRKVLAVVMTTGTVDKAKVISVSTGKTCINGEYMSDRGLALN
```

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DCHAEIISRRSLLRFLYTQLELYLNNKDDQKRSIFQKSERGGFRLKENVQFHLYISTS  
 PCGDARIFSPHEPILEGSRSYTQAGVQWCNHGSLQPRPPGLLSDPSTSTFQGAGTT  
 EPADRHPNRKARGQLRTKIESGEGTIPVRSNASIQTWDGVLQGERLLTMSCSDKIAR  
 WNVVGIQGSLLSIFVEPIYFSSIILGSLYHGDHLSRAMYQRISNIEDLPPLYTLNKPLLS  
 GISNAEARQPGKAPNFSVNWTVGDSAIEVINATTGKDELGRASRLCKHALYCRWMR  
 VHGVPSHLLRSKITKPNVYHESKLAKEYQAAKARLFTAFIKAGLGAWVEKPTEQD  
 QFSLTP

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ADARB1 adenosine deaminase, RNA-specific, B1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">ADARB1</a>
<b>Synonyms</b>	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; RED1 homolog; RNA-editing enzyme 1; RNA editing deaminase 1; RNA-editing deaminase 1; dsRNA adenosine deaminase; human dsRNA adenosine deaminase

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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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