

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	MDIEDEENMSSSSTDVKENRNLDNVSPKDGSTPGPGEGSQLSNGGGGGPGRKRP LEEGSNGHISKYRLKKRRKTPGPVLPKNALMQLNEIKPGLQYTLLSQTGPVHAPLFV MSVEVNGQVFEGSGPTKKKAKLHAAEKALRSFVQFPNASEAHLAMGRTL SVNTDFT SDQADFPDTL FNGFETPDKAEPFVYVGSNGDDSFSSSGDLSLSASPVPASLAQPPL PVLPPFPFPPSGKNPVMILNELRPGLKYDFLSESGESHAKSFVMSVVVDGQFFEGSG RNKKLAKARAAQSALAAIFNLHLDQTPSRQPIPSEGLQLHLPQVLADAVSRLVLGKF GDLTDNFSSPHARRKVLAVVMTTGTVDKDAKVISVSTGTKCINGEYMSDRGLALN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DCHAEIISRRSLLRFLYTQLELYLNNKDDQKRSIFQKSERGGFRLKENVQFHLYISTS
PCGDARIFSPHEPILEGSRSYTQAGVQWCNHGSLQPRPPGLSDPSTSTFQGAGTT
EPADRHPNRKARGQLRTKIESGEGTIPVRSNASIQTDGVLQGERLLTMSCSDKIAR
WNVVGIQGSLLSIFVEPIYFSSIILGSLYHGDHLSRAMYQRISNIEDLPPLYTLNKPILLS
GISNAEARQPGKAPNFSVNWTVGDSAIEVINATTGKDELGRASRLCKHALYCRWMR
VHGKVPSSHLLRSKITKPNVYHESKLAAKEYQAAKARLFTAFIKAGLGAWVEKPTEQD
QFSLTP

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

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; 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);

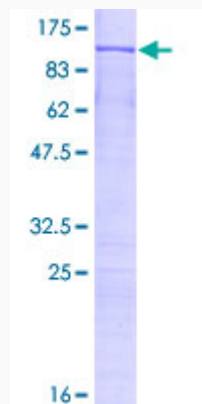
Gene ID 104

mRNA Refseq NM_001112

Protein Refseq NP_001103

MIM 601218

UniProt ID P78563



12.5% SDS-PAGE Stained with Coomassie Blue.

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