

Recombinant Human ADARB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ADARB1-4826H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ADARB1 MS Standard C13 and N15-labeled recombinant protein (NP_056648) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	80.6 kDa
AA Sequence	MDIEDEENMSSSSTDVKENRNLDNVSPKDGSTPGPGEGSQLSNGGGGGPGRKRP LEEGSNHGHSKYRLKKRRKTPGPVLPKNALMQLNEIKPGLQYTLLSQTGPVHAPLFV MSVEVNGQVFEGSGPTKKKAKLHAAEKALRSFVQFPNASEAHLAMGRTL SVNTDFT SDQADFPDTL FNGFETPDKAEPFFYVGSNGDDSFSSSGDLSLSASPVPASLAQPPL PVLPPFPFPPSGKNPVMILNELRPGLKYDFLSESGESHAKSFVMSVVVDGQFFEGSG RNKKLAKARAAQSALAAIFNLHLDQTPSRQPIPSEGLQLHLPQVLADAVSRLVLGKF

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GDLTDNFSSPHARRKVLAVVMTTGTVDKDAKVISVSTGTKCINGEYMSDRGLALN
 DCHAEIISRRSLLRFLYTQLELYLNNKDDQKRSIFQKSERGGFRLKENVQFHLYISTS
 PCGDARIFSPHEPILEGSRSYTQAGVQWCNHGSLQPRPPGLLSDPSTSTFQGAGTT
 EPADRHPPNRKARGQLRTKIESGEGTIPVRSNASIQTWGVLQGERLLTMSCDKIAR
 WNVVGIQGSLLSIFVEPIYFSSIILGSLYHGDHLSRAMYQRISNIEDLPPLYTLNKPLLS
 GISNAEARQPGKAPNFSVNWTVGDSAIEVINATTGKDELGRASRLCKHALYCRWMR
 VHGVPSHLLRSKITKPNVYHESKLAAKEYQAAKARLFTAFIKAGLGAWVEKPTEQD
 QFSLTPSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ADARB1 adenosine deaminase RNA specific B1 [Homo sapiens (human)]
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

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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_015833](#)

Protein Refseq [NP_056648](#)

MIM [601218](#)

UniProt ID [P78563](#)

SDS-PAGE

