

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 LEEGSNGHISKYRLKRRKTPGPVLPKNALMQLNEIKPGLQYTLLSQTGPVHAPLFV MSVEVNGQVFEGSGPTKKKAKLHAAEKALRSFVQFPNASEAHLAMGRTLSVNTDFT SDQADFPDTLFGFETPDKAEPFVYVGSNGDDSFSSSGDLSLSASPVPASLAQPPL PVLPPFPSPGKNPVMILNELRPGLKYDFLSESGESHAKSFVMSVVVDGQFFEGSG RNKKLAKARAAQSALAAIFNLHLDQTPSRQPIPSEGLQLHLPQVLADAVSRLVLGKF

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GDLTDFSSPHARRKVLAVVMTTGTVDKDAKVISVSTGTKCINGEYMSDRGLALN
 DCHAEIISRRSLLRFLYTQLELYLNNKDDQKRSIFQKSERGGFRLKENVQFHLYISTS
 PCGDARIFSPHEPILEGSRSYTQAGVQWCNHGSLQPRPPGLLSDPSTSTFQGAGTT
 EPADRHPPNRKARGQLRTKIESGEGTIPVRSNASIQTWGVLQGERLLTMSCSDKIAR
 WNVVGIQGSLLSIFVEPIYFSSIILGSLYHGDHLSRAMYQRISNIEDLPPLYTLNKPLLS
 GISNAEARQPGKAPNFSVNWTVGDSAIEVINATTGKDELGRASRLCKHALYCRWMR
 VHGVPSHLLRSKITKPNVYHESKLAKEYQAAKARLFTAFIKAGLGAWVEKPTEQD
 QFSLTPSGPTRRTRRLEQKLISEEDLAANDILDYKDDDDKV

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

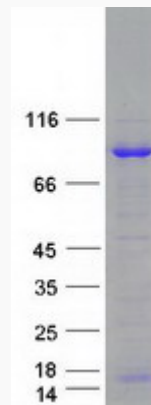
mRNA Refseq NM_015833

Protein Refseq NP_056648

MIM 601218

UniProt ID P78563

SDS-PAGE



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