

Recombinant Full Length Human ADARB1 Protein, C-Flag-tagged

Cat. No. ADARB1-450HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ADARB1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	80.6 kDa
AA Sequence	MDIEDEENMSSSSTDVKENRNLDNVSPKDGSTPGPGEGSQLSNGGGGGPGRKRP LEEGSNHGHSKYRLKKR RKTGPGVLPKNALMQLNEIKPGLQYTLLSQTGPVHAPLFV MSVEVNGQVFEGSGPTKKKAKLHAAEKALR SFVQFPNASEAHLAMGRTLSTVNTDF TSDQADFPDTLFGFETPDKAEPFFYVGSNGDDSFSSSGDLSLSA SPVPASLAQPP LPVLPPFPFPPSGKNPVMILNELRPGLKYDFLSESGESHAKSFVMSVVVDGQFFEGS

 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

GRN KKLAKARAAQSALAAIFNLHLDQTPSRQPIPSEGLQLHLPQVLADAVSRLVLGK
 FGDLTDFNFSSPHARRK VLAGVVMTTGTDVKDAKVISVSTGTCINGEYMSDRGLAL
 NDCHAEIISRRSLLRFLYTQLELYLNNKDD QKRSIFQKSERGGFRLKENVQFHLIYST
 SPCGDARIFSPHEPILEGSRSYTQAGVQWCNHGSLQPRPPGL LSDPSTSTFQGAG
 TTEPADRHPNRKARGQLRTKIESGEGTIPVRSNASIQTDGVLQGERLLTMSCDKI
 ARWNVVGIQGSLLSIFVEPIYFSSILGSLYHGDHLSRAMYQRISNIEDLPPLYTLNKPL
 LSGISNAEAR QPGKAPNFSVNWTVGDSAIEVINATTGKDELGRASRLCKHALYCRW
 MRVHGKVPSHLLRSKITKPNVYHE
 SKLAAKEYQAAKARLFTAFIKAGLGAWVEKPTEQDQFSLTPSGPTRTRRLEQKLISE
 EDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

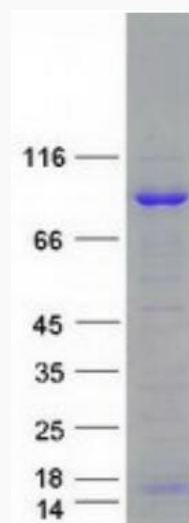
Gene Name ADARB1 adenosine deaminase RNA specific B1 [Homo sapiens (human)]

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Official Symbol	ADARB1
Synonyms	RED1; ADAR2; DRABA2; DRADA2; NEDHYMS
Gene ID	104
mRNA Refseq	NM_015833.4
Protein Refseq	NP_056648.1
MIM	601218
UniProt ID	P78563



Coomassie blue staining of purified ADARB1 protein.