Recombinant Human ADAR2L Protein, Flag tagged

Cat. No. ADAR2L-22H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ADAR2L (ADARB1) (2-741) was expressed by baculovirus in Sf9 insect cells using an N-terminal Flag tag.
Species	Human
Source	Sf9 Cells
ProteinLength	2-741 aa
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.
Purity	>85%
Stability	1 year at –70 centigrade from date of shipment.
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

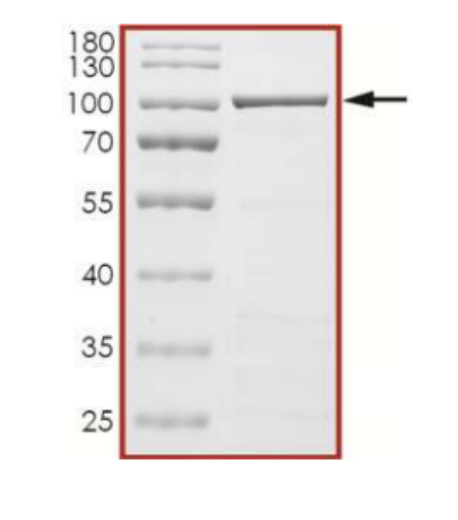
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Storage Buffer	Recombinant protein stored in 50mM Tris, pH7.5 150mM NaCl, 1mM EDTA, 0.5 mg/mL Flagtide, 1mM DTT, 10% glycerol.
Concentration	0.18 μg/μL
Shipping	Dry ice
Reference	1. Hajji, H. et al.: ADAR2 enzymes: efficient site-specific RNA editors with gene therapy aspirations. RNA. 2022; 28(10):1281-1297. 2. Iwamoto, K. et al.: Serotonin receptor 2C and mental disorders: genetic, expression and RNA editing studies. RNA Biol. 2009; 6: 248–253.

GENE INFORMATION

Gene Name	ADARB1 adenosine deaminase RNA specific B1 [Homo sapiens (human)]
Official Symbol	ADARB1
Synonyms	ADARB1; adenosine deaminase RNA specific B1; RED1; ADAR2; DRABA2; DRADA2; NEDHYMS; double-stranded RNA-specific editase 1; RNA editing deaminase 1; RNA-editing enzyme 1; adenosine deaminase, RNA-specific, B1 (homolog of rat RED1); dsRNA adenosine deaminase DRADA2; EC 3.5.4.37
Gene ID	104
mRNA Refseq	NM_015833
Protein Refseq	NP_056648
MIM	601218

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UniProt ID	P78555
Purity	 The purity of ADAR2L (ADARB1) was determined to be >85% by densitometry. Observed MW ~100 kDa Calculated MW ~85 kDa.

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