

Recombinant Mouse Adarb1 Protein, MYC/DDK-tagged

Cat. No. Adarb1-473M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse adenosine deaminase, RNA-specific, B1 (Adarb1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a double-stranded-RNA-specific adenosine deaminase that is involved in editing pre-mRNAs by site-specific conversion of adenosine (A) to inosine (I). Substrates for this enzyme include ionotropic glutamate receptors (GluR2-6) and serotonin receptor (5HT2C). Studies in rodents have shown that this protein can modify its own pre-mRNA by A->I editing to create a novel acceptor splice site, alternative splicing to which results in down regulation of its protein expression. Additional splicing events result in transcript variants encoding different isoforms.
Molecular Mass	78.5 kDa
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Adarb1 adenosine deaminase, RNA-specific, B1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Adarb1](#)

Synonyms

Adarb1; adenosine deaminase, RNA-specific, B1; Red1; Adar2; AW124433; AW558573; BB220382; D10Bwg0447e; 1700057H01Rik; double-stranded RNA-specific editase 1; RNA-editing deaminase 1; RNA-editing enzyme 1; dsRNA adenosine deaminase; EC 3.5.4.37

Gene ID [110532](#)

mRNA Refseq [NM_001024837](#)

Protein Refseq [NP_001020008](#)

UniProt ID [Q91ZS8](#)

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