

## Recombinant Mouse Adarb1 Protein, MYC/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse adenosine deaminase, RNA-specific, B1 (Adarb1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	78.5 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>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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