

## Recombinant Mouse Aldh1a2 Protein, Myc/DDK-tagged

Cat. No. Aldh1a2-1591M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length aldehyde dehydrogenase family 1, subfamily A2 (Aldh1a2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Converts retinaldehyde to retinoic acid. Recognizes as substrates free retinal and cellular retinol-binding protein-bound retinal. Lacks activity with benzaldehyde, acetaldehyde and octanal. Displays complete lack of activity with citral.
<b>Molecular Mass</b>	56.6 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
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

### GENE INFORMATION

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<b>Gene Name</b>	Aldh1a2 aldehyde dehydrogenase family 1, subfamily A2 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Aldh1a2
<b>Synonyms</b>	Aldh1a2; aldehyde dehydrogenase family 1, subfamily A2; Ral; Aldh; Raldh1; Raldh2; Aldh1a7; AV116159; retinal dehydrogenase 2; RALDH 2; RALDH(II); alcohol dehydrogenase family 1, subfamily A2; alcohol dehydrogenase family 1, subfamily A7; aldehyde dehydrogenase family 1 member A2; retinaldehyde dehydrogenase 2; retinaldehyde-specific dehydrogenase type 2; EC 1.2.1.36
<b>Gene ID</b>	19378
<b>mRNA Refseq</b>	NM_009022
<b>Protein Refseq</b>	NP_033048
<b>UniProt ID</b>	Q62148

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