

## Recombinant Mouse Aldh8a1 Protein, Myc/DDK-tagged

**Cat. No.** Aldh8a1-1594M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length aldehyde dehydrogenase 8 family, member A1 (Aldh8a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| <b>Species</b>          | Mouse                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                           |
| <b>Description</b>      | Catalyzes the NAD-dependent oxidation of 2-aminomuconic semialdehyde of the kynurenine metabolic pathway in L-tryptophan degradation.                            |
| <b>Molecular Mass</b>   | 53.7 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>       | Aldh8a1 aldehyde dehydrogenase 8 family, member A1 [ Mus musculus (house mouse) ]                                                                             |
| <b>Official Symbol</b> | <a href="#">Aldh8a1</a>                                                                                                                                       |
| <b>Synonyms</b>        | ALDH8A1; aldehyde dehydrogenase 8 family, member A1; aldehyde dehydrogenase family 8 member A1; retinal dehydrogenase 4; retinal dehydrogenase type 4; Raldh4 |
| <b>Gene ID</b>         | <a href="#">237320</a>                                                                                                                                        |
| <b>mRNA Refseq</b>     | <a href="#">NM_178713</a>                                                                                                                                     |
| <b>Protein Refseq</b>  | <a href="#">NP_848828</a>                                                                                                                                     |
| <b>UniProt ID</b>      | <a href="#">Q8BH00</a>                                                                                                                                        |

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