Recombinant Mouse Aldh1a2 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length aldehyde dehydrogenase family 1, subfamily A2 (Aldh1a2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	56.6 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	Aldh1a2 aldehyde dehydrogenase family 1, subfamily A2 [Mus musculus (house mouse)]
Official Symbol	Aldh1a2
Synonyms	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
Gene ID	19378
mRNA Refseq	NM_009022
Protein Refseq	NP_033048
UniProt ID	Q62148

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA