

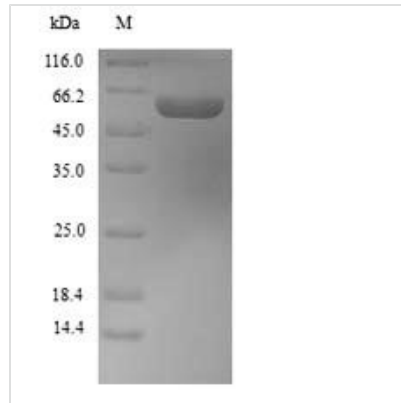


Recombinant Mouse Aldehyde dehydrogenase 1A1 (Aldh1a1)

Product Code	CSB-YP001565MO
Relevance	In addition to the activity on acetaldehyde and related substrates, is also involved in the oxidation of aldehydes derived from biogenic amines such as epinephrine and norepinephrine, as well as the aldehydes generated via lipid peroxidation. Binds free retinal and cellular retinol-binding protein-bound retinal. Can convert/oxidize retinaldehyde to retinoic acid
Abbreviation	Recombinant Mouse Aldh1a1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P24549
Product Type	Recombinant Proteins
Immunogen Species	Mus musculus (Mouse)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	SSPAQPAVPAPLADLKIQHTKIFINNEWHNSVSGKKFPVLNPATEEVICHVEEG DKADVVDKAVKAAARQAFQIGSPWRTMDASERGRLLNKLADLMERDRLLLATME ALNGGKVFANAYLSDLGGCIKALKYCAGWADKIHGQTIPSDGDIFTYTRREPIG VCGQIIPWNFPMLMFIWKIGPALSCGNTVVVKPAEQTPLTALHLASLIKEAGFPP GVVNI VPGYGPTAGAAISSHMDVDKVAFTGSTQVVGKLIKEAAGKSNLKRVTLEL GGKSPCIVFADADLDIAVEFAHHGVFYHQGCCVAASRIFVEESVYDEFVKRS VERAKKYVLGNPLTPGINQGPQIDKEQHDKILDIESGKKEGAKLECGGGRWG NKGFFVQPTVFSNVTDEMRIAKEEIFGPVQQIMKFKSVDDVIKRANNTTYGLAA GLFTKDLDKAITVSSALQAGVWVNCYMMLSAQCPCFGGFKMSGNGRELGEH GLYEYTELKTVMKISQKNS
Research Area	Cancer
Source	Yeast
Target Names	Aldh1a1
Protein Names	Recommended name: Retinal dehydrogenase 1 Short name= RALDH 1 Short name= RaLDH1 EC= 1.2.1.36Alternative name(s): ALDH-E1 ALHDII Aldehyde dehydrogenase family 1 member A1 Aldehyde dehydrogenase, cytosolic
Expression Region	2-501aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	56.3kDa

**Protein Length**

Full Length of Mature Protein

Image

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Shelf Life

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