



# Recombinant Rat Aldehyde dehydrogenase family 3 member B1 (Aldh3b1)

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| <b>Product Code</b>      | CSB-MP736446RA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Abbreviation</b>      | Aldh3b1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.                                                                                                                                                                                                                                                                         |
| <b>Uniprot No.</b>       | Q5XI42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Sequence</b>          | MDSFEDKLQQ LREAFNAGRT RSAEFRAAQL QGLSHFLRDN KQQLQEALAQ<br>DLHKSAFESE VSEIAISQAE VDLALRNLRS WMKDEKVSKN LATQLDSAIF<br>RKEPFGLVLI IVPWNYPLNL TLVPLVGAIA AGNCVVLKPS EISKATEKIL<br>AEVLPRYLDQ SCFAVVLGGP QETGQLLEHR FDYIFFTGNT YVGKIVMAAA<br>AKHLTPITLE LGGKNPCYVD DNCDPQTVAN RVAWFRYFNA GQTCVAPDYV<br>LCSQEMQERL VPALQNAITR FYGDNPQTSP NLGRIINQKH FERLQGLLGC<br>GRVAIGGQSD EGERYIAPTV LVDVQETEPV MQEEIFGPIL PLVTVTNLDE<br>AIEFINRREK PLALYAFSKR SQVIKQVLAR TSSGGFCGND GFMHMTLSSL<br>PFGGVGTSGM GRYHGKFSFD TFSNQRACLL RSPGMEKIND LRYPPYTSRN<br>LRVLLVAMEK RCCSC |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Target Names</b>      | Aldh3b1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Names</b>     | Recommended name: Aldehyde dehydrogenase family 3 member B1 EC=1.2.1.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Expression Region</b> | 1-465                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Length</b>    | full length protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Target Details</b>    | The aldehyde dehydrogenases are a family of isozymes that may play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This particular gene spans about 20 kb of genomic DNA and is composed of 9 coding exons. The gene is highly expressed in kidney and lung. The functional significance of this gene as well as the cellular localization of its product are presently unknown. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.              |



## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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.