

## Recombinant Human ALDH1B1 Protein, Myc/DDK-tagged

**Cat. No.** ALDH1B1-8938H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant protein of human aldehyde dehydrogenase 1 family, member B1 (ALDH1B1), nuclear gene encoding mitochondrial protein with a C-Myc/DDK tag was expressed in HEK293T.                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | This protein belongs to the aldehyde dehydrogenases family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. This gene does not contain introns in the coding sequence. The variation of this locus may affect the development of alcohol-related problems. |
| <b>Molecular Mass</b>   | 55.3 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.                                                                                                                                                                                                                                                                                                 |
| <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                                                                                                                                                                                                                                                                     |

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## GENE INFORMATION

**Gene Name** ALDH1B1 aldehyde dehydrogenase 1 family member B1 [ Homo sapiens (human) ]

**Official Symbol** ALDH1B1

**Synonyms** ALDH1B1; aldehyde dehydrogenase 1 family member B1; ALDH5; ALDHX; aldehyde dehydrogenase X, mitochondrial; ALDH class 2; acetaldehyde dehydrogenase 5; aldehyde dehydrogenase 5; epididymis secretory sperm binding protein; EC 1.2.1.3

**Gene ID** 219

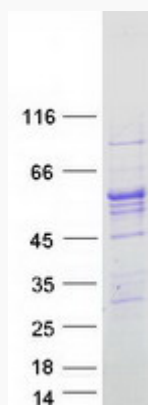
**mRNA Refseq** NM\_000692

**Protein Refseq** NP\_000683

**MIM** 100670

**UniProt ID** P30837

### SDS-PAGE



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