

## Recombinant Human ALDH3B2 cell lysate

**Cat. No.** ALDH3B2-59HCL    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>    | This gene encodes a member of the aldehyde dehydrogenase family, a group of isozymes that may play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. The gene of this particular family member is over 10 kb in length. The expression of these transcripts is restricted to the salivary gland among the human tissues examined. Alternate transcriptional splice variants have been characterized. |
| <b>Size</b>           | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### GENE INFORMATION

|                        |                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ALDH3B2 aldehyde dehydrogenase 3 family, member B2 [ Homo sapiens ]                                                                           |
| <b>Official Symbol</b> | ALDH3B2                                                                                                                                       |
| <b>Synonyms</b>        | ALDH3B2; aldehyde dehydrogenase 3 family, member B2; ALDH8; aldehyde dehydrogenase family 3 member B2; acetaldehyde dehydrogenase 8; aldehyde |

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|                            |                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | dehydrogenase 8;                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene ID</b>             | 222                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>         | NM_000695                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>      | NP_000686                                                                                                                                                                                                                                                                                                                                                                            |
| <b>MIM</b>                 | 601917                                                                                                                                                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>          | P48448                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Chromosome Location</b> | 11q13                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Pathway</b>             | Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem; Glycolysis / Gluconeogenesis, conserved biosystem; Histidine metabolism, organism-specific biosystem; Histidine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; |
| <b>Function</b>            | 3-chloroallyl aldehyde dehydrogenase activity; aldehyde dehydrogenase [NAD(P)+] activity; oxidoreductase activity;                                                                                                                                                                                                                                                                   |