

## Recombinant Human ALDH3A1 protein, His-tagged

**Cat. No.** ALDH3A1-1803H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ALDH3A1 protein(AAH04370.1) (Met 1-His 453) was expressed in Insect Cells, fused with a polyhistidine tag at the N-terminus.                                                |
| <b>Species</b>          | Human                                                                                                                                                                                         |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 1-453 aa                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly.                                                                                                                              |
| <b>Molecular Mass</b>   | The recombinant human ALDH3A1 consists of 472 amino acids and has a calculated molecular mass of 52.6 kDa. It migrates as an approximately 50 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                               |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                              |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.          |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                 |

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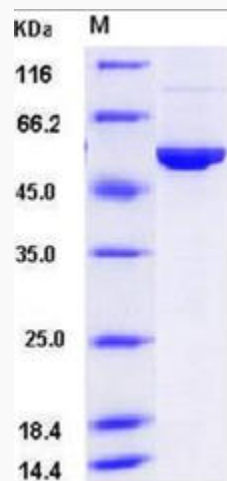
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## GENE INFORMATION

|                 |                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | ALDH3A1 aldehyde dehydrogenase 3 family, member A1 [ Homo sapiens ]                                                                                                                                                                                                                 |
| Official Symbol | ALDH3A1                                                                                                                                                                                                                                                                             |
| Synonyms        | ALDH3A1; aldehyde dehydrogenase 3 family, member A1; ALDH3; aldehyde dehydrogenase, dimeric NADP-preferring; aldehyde dehydrogenase; dimeric NADP preferring; stomach aldehyde dehydrogenase; aldehyde dehydrogenase type III; aldehyde dehydrogenase isozyme 3; ALDHIII; MGC10406; |
| Gene ID         | 218                                                                                                                                                                                                                                                                                 |
| mRNA Refseq     | NM_000691                                                                                                                                                                                                                                                                           |
| Protein Refseq  | NP_000682                                                                                                                                                                                                                                                                           |
| MIM             | 100660                                                                                                                                                                                                                                                                              |
| UniProt ID      | P30838                                                                                                                                                                                                                                                                              |

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SDS-PAGE



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