

Recombinant Human ALDH5A1 protein, His-SUMO-tagged

Cat. No. ALDH5A1-2508H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Human ALDH5A1 protein(P51649)(48-535aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 48-535aa |
| Form | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| Molecular Mass | 68.3 kDa |
| AA Sequence | <p>AGRLAGLSAALLRTDSFVGGRWLPAAATFPVQDPASGAALGMVADCGVREARAAV RAAYEAFCRWREVSASAKERSLLRKWYNLMIQNKDDLARIITAESGKPLKEAHGEILY SAFFLEWFSEEARRVYGDIIHTPAKDRRALVLKQPIGVAAVITPWNFPSAMITRKVGA ALAAGCTVVVKPAEDTPFSALALAEASQAGIPSGVYVVICSRKNAKEVGEAICTDP LVSKISFTGSTTTGKILLHHAANSVKRVSMEGLGLAPFIVFDSANVDQAVAGAMASKF RNTGQTCVCSNQFLVQRGIHDAFVKAF AEAMKKNL RVGN GFEEGTTQG PLINEKAV EKVEKQVND AVSKGATVVTGGKRHQLGKNFF EPTLLCNVTQDMLCTHEETFGLAP VIKFDTEEEAIAIANAADVGLAGYFYSDPAQIWRVAEQLEVGMVGVNEGLISSVECP FGGVKQSGLGREGSKYGIDEYLELKYVCYGG L</p> |

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|-----------------------|---|
| Purity | Greater than 90% as determined by SDS-PAGE. |
| Storage | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles. |
| Reconstitution | 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%. |

GENE INFORMATION

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|------------------------|---|
| Gene Name | ALDH5A1 aldehyde dehydrogenase 5 family, member A1 [Homo sapiens] |
| Official Symbol | ALDH5A1 |
| Synonyms | ALDH5A1; aldehyde dehydrogenase 5 family, member A1; succinate-semialdehyde dehydrogenase, mitochondrial; SSADH; SSDH; succinate semialdehyde dehydrogenase; aldehyde dehydrogenase family 5 member A1; mitochondrial succinate semialdehyde dehydrogenase; NAD(+)-dependent succinic semialdehyde dehydrogenase; |
| Gene ID | 7915 |
| mRNA Refseq | NM_001080 |
| Protein Refseq | NP_001071 |
| MIM | 610045 |
| UniProt ID | P51649 |

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