

Recombinant Human ALDH5A1 protein, His-SUMO-tagged

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

SPECIFICATION

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	AGRLAGLSAALLRTDSFVGGRWLPAATFPVQDPASGAALGMVADCGVREARAAV RAAYEAFCRWREVSASAKERSLLRKWYNLMIQNKDDLARIITAESGKPLKEAHGEILY SAFFLEWFSEEARRVYGDIIHTPAKDRRALVLKQPIGVAAVITPWNFPSAMITRKVGA ALAAGCTVVVKPAEDTPFSALALAEASQAGIPSGVYNVIPCSRKNAKEVGAEICTDP LVSKISFTGSTTTGKILLHHAANSVKRVSMELGGLAPFIVFDSANVDQAVAGAMASKF RNTGQTCVCSNQFLVQRGIHDAFVKAF AEAMKKNLRVGNGFEEGTTQGPLINEKAV EKVEKQVNDVAVSKGATVVTGGKRHQLGKNFFEPTLLCNVTQDMLCTHEETFGPLAP VIKFDTEEEAIAIANAADVGLAGYFYSDPAQIWRVAEQLEVGMVGVNEGLISSVECP FGGVKQSGLGREGSKYGIDEYLELKYVCYGG

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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

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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