

Recombinant Human ALDH1A3 protein, His-SUMO-tagged

Cat. No. ALDH1A3-2507H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH1A3 protein(P47895)(2-512aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-512aa
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	72 kDa
AA Sequence	<p>ATANGAVENGQPDRKPPALPRPIRNLEVKFTKIFINNEWHESKSGKKFATCNPSTRE QICEVEEGDKPDVDKAVEAAQVAFQRGSPWRRILDALSRGRLHQLADLVERDRATL AALETMDTGKPFLLHAFFIDLEGCIRTLRYFAGWADKIQGGKTIPTDDNVVCFTRHEPIG VCGAITPWNFLLMLVWKLAPALCCGNTMVLKPAEQTPLTALYLGSLIKEAGFPPGV VNIVPGFGPTVGAAISSHPQINKIAFTGSTEVGKLVKEAASRSNLKRVTLELGGKNPCI VCADADLDLAVECAHQGVFFNQGCCTAASRVFVEEQVYSEFVRRSVEYAKKRPV GDPFDVKTEQGPQIDQKQFDKILELIESGKKEGAKLECGGSAMEDKGLFIKPTVFSE VTDNMRIAKEEIFGPVQPILKFKSIEEVIKCRANSTDYGLTAAVFTKNLDKALKLASALES GTVWINCYNALYAQAPFGGFKMSGNGRELGEYALAEYTEVKTVTIKLGDKNP</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

Gene Name	ALDH1A3 aldehyde dehydrogenase 1 family, member A3 [Homo sapiens]
Official Symbol	ALDH1A3
Synonyms	ALDH1A3; aldehyde dehydrogenase 1 family, member A3; ALDH6; aldehyde dehydrogenase family 1 member A3; RALDH3; retinaldehyde dehydrogenase 3; RALDH-3; aldehyde dehydrogenase 6; acetaldehyde dehydrogenase 6; ALDH1A6;
Gene ID	220
mRNA Refseq	NM_000693
Protein Refseq	NP_000684
MIM	600463
UniProt ID	P47895

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