

Recombinant Human ALDH1A1 protein, His-tagged

Cat. No. ALDH1A1-3443H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH1A1 protein(153-501 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	153-501 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	TYTRHEPIGVCGQIIPWNFPLVMLIWKIGPALSCGNTVVVKPAEQTPLTALHVASLIKE AGFPPGVVNIVPGYGPTAGAAISSHMDIDKVAFTGSTEVGKLIKEAAGKSNLKRVTLE LGGKSPCIVLADADLDNAVEFAHHGVFYHQGCCIAASRIFVEESIYDEFVRRSVER AKKYILGNPLTPGVTQGPQIDKEQYDKILDIESGKKEGAKLECGGGPWGNKGYFVQ PTVFSNVTDEMRIAKEEIFGPVQQIMKFKSLDDVIKRNNTFYGLSAGVFTKDIDKAITI SSALQAGTVWVNCYGVVSAQCPFGGFKMSGNGRELGEYGFHEYTEVKTVTVKISQ KNS
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name [ALDH1A1 aldehyde dehydrogenase 1 family, member A1 \[Homo sapiens \]](#)

Official Symbol [ALDH1A1](#)

Synonyms ALDH1A1; aldehyde dehydrogenase 1 family, member A1; ALDH1, PUMB1; retinal dehydrogenase 1; RALDH1; retinaldehyde dehydrogenase 1; ALHDII; RALDH 1; ALDH class 1; acetaldehyde dehydrogenase 1; aldehyde dehydrogenase 1, soluble; aldehyde dehydrogenase, liver cytosolic; ALDC; ALDH1; PUMB1; ALDH11; ALDH-E1; MGC2318;

Gene ID [216](#)

mRNA Refseq [NM_000689](#)

Protein Refseq [NP_000680](#)

MIM [100640](#)

UniProt ID [P00352](#)

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