

Recombinant Human ALDH3A1 protein, His-tagged

Cat. No. ALDH3A1-3624H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH3A1 protein(105-453 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	105-453 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	<p> LGVVLVIGTWNYPFNLTIQPMVGAIAAGNAVVLKPSELSNMA^{LL}ATIIPQYLDKDLY PVINGGVPETTELLKERFDHILYTGSTGVGKIIMTAAAKHLTPVTLELGGKSPCYVDK NCDLDVACRRIAWGKFMNSGQTCVAPDYILCDPSIQNQIVEKLLKSLKEFYGEDAKK SRDYGRIISARHFQRVMGLIEGQKVAYGGTGDAA^{TRY}IAPTILTDVDPQSPVMQEEIF GPVLP^{IV}CVRSLEEAIQFINQREKPLALYMFSSNDKVIKKMIAETSSGGVAANDVIVHIT LHSLPFGGVGNSGMGSYHGKKSFETFSHRRSCLVRPLM^NDEGLKVRYPSPAKMT QH </p>
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

 Tel: 1-631-559-9269 1-516-512-3133

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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

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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