

Recombinant Human ALDH9A1 protein, His-tagged

Cat. No. ALDH9A1-3945H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH9A1 protein(285-412 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	285-412 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	LIIFSDCDMNNAVKGALMANFLTQGQVCCNGTRVQKEILDKFTEEVVKQTQRIKIG DPLLEDTRMGPLINRPHLERVLGFVKVAKEQGAKVLCGGDIYVPEDPKLKDGYYMR PCVLTNCRDDMTCV
Purity	95%, 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 containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name	ALDH9A1 aldehyde dehydrogenase 9 family, member A1 [Homo sapiens]
Official Symbol	ALDH9A1
Synonyms	ALDH9A1; aldehyde dehydrogenase 9 family, member A1; ALDH4, ALDH7, ALDH9; 4-trimethylaminobutyraldehyde dehydrogenase; E3; aldehyde dehydrogenase (NAD+); aldehyde dehydrogenase E3 isozyme; R-aminobutyraldehyde dehydrogenase; gamma-aminobutyraldehyde dehydrogenase; aldehyde dehydrogenase family 9 member A1; ALDH4; ALDH7; ALDH9; TMABADH;
Gene ID	223
mRNA Refseq	NM_000696
Protein Refseq	NP_000687
MIM	602733
UniProt ID	P49189

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