

Recombinant Human ALDH2 protein, His-tagged

Cat. No. ALDH2-6755H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH2 protein(165-517 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	165-517 aa
Tag	N-His
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.
Purity	90%, 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, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

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AA Sequence

GDFFSYTRHEPVGVCGQIIPWNFLLMQAWKLGPALATGNVVVMKVAEQTPLTALY
 VANLIKEAGFPPGVNIVPGFGPTAGAAIASHEDVDKVAFTGSTEIGRVIQVAAGSSN
 LKRVTLLELGGKSPNIIMSDADMDWAVEQAHFALFFNQGCCAGSRTFVQEDIYDE
 FVERSVARAKSRVVGPNPFDKTEQGPQVDETQFKKILGYINTGKQEGAKLLCGGGIA
 ADRGYFIQPTVFGDVQDGMTIAKEEIFGPVMQILKFKTIEEVVGRANNSTYGLAAAVF
 TKDLDKANYLSQALQAGTVVWNCYDVFGAQSPFGGYKMSGSGRELGEYGLQAYTE
 VKTVTVKVPQKNS

GENE INFORMATION

Gene Name [ALDH2 aldehyde dehydrogenase 2 family \(mitochondrial\) \[Homo sapiens \]](#)

Official Symbol [ALDH2](#)

Synonyms ALDH2; aldehyde dehydrogenase 2 family (mitochondrial); aldehyde dehydrogenase, mitochondrial; ALDH class 2; liver mitochondrial ALDH; acetaldehyde dehydrogenase 2; nucleus-encoded mitochondrial aldehyde dehydrogenase 2; ALDM; ALDH1; ALDH-E2; MGC1806;

Gene ID [217](#)

mRNA Refseq [NM_000690](#)

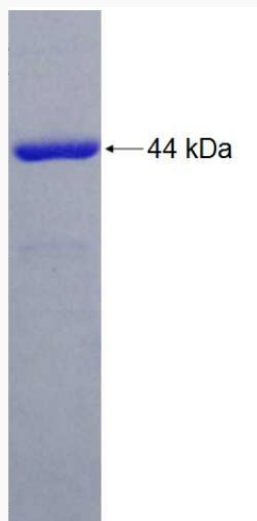
Protein Refseq [NP_000681](#)

UniProt ID [P05091](#)

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SDS-PAGE

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