

Recombinant Human ALDH1A3 protein, His-tagged

Cat. No. ALDH1A3-3633H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH1A3 protein(1-163 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-163 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	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, 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 MATANGAVENGQPDRKPPALPRPIRNLEVKFTKIFINNEWHESKSGKKFATCNPSTR
EQICEVEEGDKPDVDKAVEAAQVAFQRGSPWRRLDALSRGRLHQLADLVERDRA
TLAALETMDTGKPFLLHAFFIDLEGCIRTLRYFAGWADKIQGKTIPTDDNVV

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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