

Recombinant Human ALDH5A1 Protein (48-535 aa), His-tagged

Cat. No. ALDH5A1-1324H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH5A1 Protein (48-535 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length of Mature Protein.
Species	Human
Source	Yeast
ProteinLength	48-535 aa
Description	Catalyzes one step in the degradation of the inhibitory neurotransmitter gamma-aminobutyric acid (GABA).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	54.3 kDa
AA Sequence	<p>AGRLAGLSAALLRTDSFVGGRWLPAAATFPVQDPASGAALGMVADCGVREARAAV RAAEAFCRWREVSAKERSLLRKWYNLMIQNKDDLARIITAESGKPLKEAHGEILY SAFFLEWFSEEARRVYGDIIHTPAKDRRALVLKQPIGVAAVITPWNFPSAMITRKVGA ALAAGCTVVVKPAEDTPFSALALAEASQAGIPSGVYVIPC SRKNAKEVGEAICTDP LVSKISFTGSTTTGKILLHHAANSVKRVSMELGGLAPFIVFDSANVDQAVAGAMASKF RNTGQTCVCSNQFLVQRGIHDAFVKAF AEAMKKNLRVGNGFEEGTTQGPLINEKAV EKVEKQVND AVSKGATVVTGGKRHQLGKNFFEPTLLCNVTQDMLCTHEETFGLAP VIKFDTEEEAIAIANAADVGLAGYFYSDPAQIWRVAEQLEVMVGVNEGLISSVECP</p>

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FGGVKQSGLGREGSKYGIDEYLELKYVCYGG

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [ALDH5A1 aldehyde dehydrogenase 5 family, member A1 \[Homo sapiens \]](#)

Official Symbol [ALDH5A1](#)

Synonyms ALDH5A1; SSADH; SSDH;

Gene ID [7915](#)

mRNA Refseq [NM_001080](#)

Protein Refseq [NP_001071](#)

MIM [610045](#)

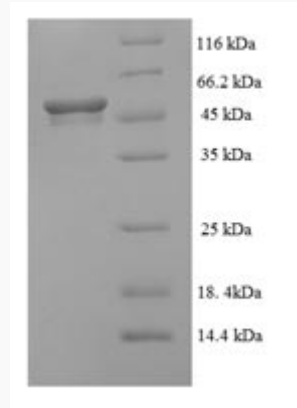
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UniProt ID

P51649



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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