

Recombinant Human ALDH1A2 Protein (L26-S518), His tagged

Cat. No. ALDH1A2-0326H **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human 6His-TEV-RALDH2(L26-S518 end) Protein was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | L26-S518 |
| Description | Converts retinaldehyde to retinoic acid. Recognizes as substrates free retinal and cellular retinol-binding protein-bound retinal. Can metabolize octanal and decanal, but has only very low activity with benzaldehyde, acetaldehyde and propanal. Displays complete lack of activity with citral. |
| Form | Liquid |
| Endotoxin | < 0.01 EU per µg of the protein |
| Purity | 90% |
| Stability | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. |
| Storage | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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Storage Buffer Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol

Shipping It is shipped out with blue ice.

GENE INFORMATION

Gene Name ALDH1A2 aldehyde dehydrogenase 1 family member A2 [Homo sapiens (human)]

Official Symbol ALDH1A2

Synonyms ALDH1A2; aldehyde dehydrogenase 1 family member A2; DIH4; RALDH2; RALDH2-T; RALDH(II); retinal dehydrogenase 2; RALDH 2; retinaldehyde-specific dehydrogenase type 2; EC 1.2.1.36

Gene ID 8854

mRNA Refseq NM_170696

Protein Refseq NP_733797

MIM 603687

UniProt ID O94788

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