

Recombinant Human ALDH4A1, Gly & Pro tagged

Cat. No. ALDH4A1-516H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH4A1 (AAH07581.1) (Lys25-Gln563), fused with two additional amino acids (Gly & Pro) at the N-terminus, was produced in Baculovirus-Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	25-563 a.a.
Predicted N Terminal	Gly
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.5. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Molecular Mass	The secreted recombinant human ALDH4A1 consists of 541 amino acids and predicts a molecular mass of 59.2 KDa. The apparent molecular mass of the protein is approximately 54 KDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.

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Storage Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [ALDH4A1 aldehyde dehydrogenase 4 family, member A1 \[Homo sapiens \]](#)

Official Symbol ALDH4A1

Gene ID [8659](#)

mRNA Refseq [NM_001161504](#)

Protein Refseq [NP_001154976](#)

MIM [606811](#)

UniProt ID [P30038](#)

Chromosome Location 1p36

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