

Recombinant Human ALDH4A1 protein

Cat. No. ALDH4A1-2203H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH4A1 protein(AAH07581.1)(Lys25-Gln563) was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	Lys25-Gln563
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 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
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. 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

Synonyms ALDH4A1; aldehyde dehydrogenase 4 family, member A1; ALDH4; delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial; P5CDh; P5C dehydrogenase; aldehyde dehydrogenase family 4 member A1; mitochondrial delta-1-pyrroline 5-carboxylate dehydrogenase; P5CD; DKFZp779M035;

Gene ID 8659

mRNA Refseq NM_001161504

Protein Refseq NP_001154976

MIM 606811

UniProt ID P30038

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