

Recombinant Human ALDH4A1 protein

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

SPECIFICATION

Product Overview	Recombinant Human ALDH4A1 protein(AAH07581.1) (Lys 25-Gln 563) was expressed and purified in Insect Cells with two additional amino acids (Gly & Pro) at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	25-563 aa
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.5.
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	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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 of

 Tel: 1-631-559-9269 1-516-512-3133

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

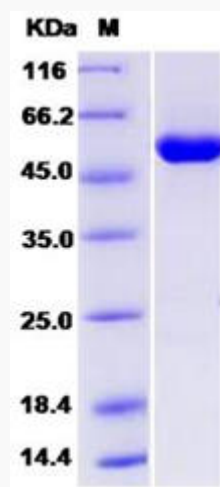
Gene Name	ALDH4A1 aldehyde dehydrogenase 4 family, member A1 [Homo sapiens]
Official Symbol	ALDH4A1
Synonyms	ALDH4A1; aldehyde dehydrogenase 4 family, member A1; ALDH4; delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial; P5CDh; P5C dehydrogenase; aldehyde dehydrogenase family 4 member A1; mitochondrial 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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SDS-PAGE



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