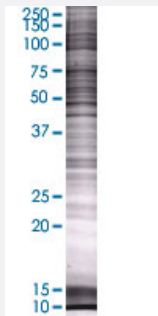


ALDH6A1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00004329-T01

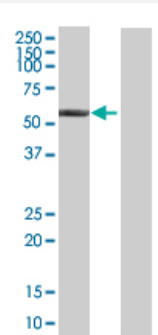
Size 100 uL

Applications



SDS-PAGE Gel

ALDH6A1 transfected lysate.



Western Blot

Lane 1: ALDH6A1 transfected lysate (58.96 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ALDH6A1 full-length
Host	Human
Theoretical MW (kDa)	58.96
Interspecies Antigen Sequence	Mouse (95); Rat (95)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ALDH6A1 antibody ([H00004329-B01](#)) by Western Blots.
SDS-PAGE Gel
ALDH6A1 transfected lysate.
Western Blot
Lane 1: ALDH6A1 transfected lysate (58.96 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ALDH6A1

Entrez GeneID[4329](#)**GeneBank Accession#**[NM_005589.2](#)**Protein Accession#**[NP_005580.1](#)**Gene Name**

ALDH6A1

Gene Alias

MGC40271, MMSADHA, MMSDH

Gene Description

aldehyde dehydrogenase 6 family, member A1

Omim ID[603178](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This protein belongs to the aldehyde dehydrogenases family of proteins. This enzyme plays a role in the valine and pyrimidine catabolic pathways. The product of this gene, a mitochondrial methyl malonate semialdehyde dehydrogenase, catalyzes the irreversible oxidative decarboxylation of malonate and methylmalonate semialdehydes to acetyl- and propionyl-CoA. Methylmalonate semialdehyde dehydrogenase deficiency is characterized by elevated beta-alanine, 3-hydroxypropionic acid, and both isomers of 3-amino and 3-hydroxyisobutyric acids in urine organic acids. [provided by RefSeq]

Other Designations

aldehyde dehydrogenase 6A1|mitochondrial acylating methylmalonate-semialdehyde dehydrogenase

Pathway

- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Propanoate metabolism](#)
- [Valine](#)

Disease

- [Tobacco Use Disorder](#)