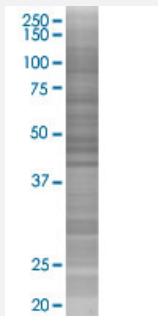


ALDH5A1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00007915-T02

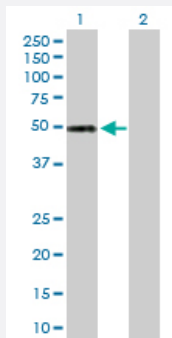
Size 100 uL

Applications



SDS-PAGE Gel

ALDH5A1 transfected lysate.



Western Blot

Lane 1: ALDH5A1 transfected lysate (57.20 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-ALDH5A1 full-length

Host Human

Theoretical MW (kDa) 57.2

Quality Control Testing Transient overexpression cell lysate was tested with Anti-ALDH5A1 antibody ([H00007915-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 ALDH5A1 transfected lysate.
 Western Blot
 Lane 1: ALDH5A1 transfected lysate (57.20 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 — ALDH5A1

Entrez GeneID[7915](#)**GeneBank Accession#**[NM_001080.3](#)**Protein Accession#**[NP_001071.1](#)**Gene Name**

ALDH5A1

Gene Alias

SSADH, SSDH

Gene Description

aldehyde dehydrogenase 5 family, member A1

Omim ID[271980 610045](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This protein belongs to the aldehyde dehydrogenase family of proteins. This gene encodes a mitochondrial NAD(+)-dependent succinic semialdehyde dehydrogenase. A deficiency of this enzyme, known as 4-hydroxybutyricaciduria, is a rare inborn error in the metabolism of the neurotransmitter 4-aminobutyric acid (GABA). In response to the defect, physiologic fluids from patients accumulate GHB, a compound with numerous neuromodulatory properties. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

Other Designations

NAD(+)-dependent succinic semialdehyde dehydrogenase|OTTHUMP00000016088|aldehyde dehydrogenase 5A1|mitochondrial succinate semialdehyde dehydrogenase|succinate-semialdehyde dehydrogenase

Pathway

- [Alanine](#)
- [Butanoate metabolism](#)

- [Metabolic pathways](#)

Disease

- [Cognition](#)
- [Cognition Disorders](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Schizophrenia](#)
- [Seizures](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Wechsler Scales](#)