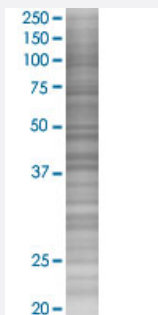


IVD 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003712-T02

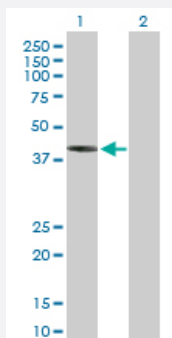
Size 100 uL

Applications



SDS-PAGE Gel

IVD transfected lysate.



Western Blot

Lane 1: IVD transfected lysate (46.30 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-IVD full-length

Host Human

Theoretical MW (kDa) 46.3

Quality Control Testing Transient overexpression cell lysate was tested with Anti-IVD antibody ([H00003712-B01P](#)) by Western Blots.
SDS-PAGE Gel
IVD transfected lysate.
Western Blot
Lane 1: IVD transfected lysate (46.30 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 — IVD

Entrez GeneID[3712](#)**GeneBank Accession#**[NM_002225.2](#)**Protein Accession#**[NP_002216.1](#)**Gene Name**

IVD

Gene Alias

ACAD2

Gene Description

isovaleryl Coenzyme A dehydrogenase

Omim ID[243500 607036](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Isovaleryl-CoA dehydrogenase (IVD) is a mitochondrial matrix enzyme that catalyzes the third step in leucine catabolism. The genetic deficiency of IVD results in an accumulation of isovaleric acid, which is toxic to the central nervous system and leads to isovaleric acidemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

-

Pathway

- [Metabolic pathways](#)
- [Valine](#)

Disease

- [Cerebral Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)