Recombinant Human HIBADH cell lysate

Cat. No. HIBADH-785HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Description	3-hydroxyisobutyrate dehydrogenase (3-hydroxy-2-methylpropanoate:NAD(+) oxidoreductase, EC 1.1.1.31) is a dimeric mitochondrial enzyme that catalyzes the NAD(+)-dependent, reversible oxidation of 3-hydroxyisobutyrate, an intermediate of valine catabolism, to methylmalonate semialdehyde.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	HIBADH 3-hydroxyisobutyrate dehydrogenase [Homo sapiens]
Official Symbol	HIBADH
Synonyms	HIBADH; 3-hydroxyisobutyrate dehydrogenase; 3-hydroxyisobutyrate dehydrogenase, mitochondrial; NS5ATP1; MGC40361;
Gene ID	11112

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_152740
Protein Refseq	NP_689953
MIM	608475
UniProt ID	P31937
Chromosome Location	7p15
Pathway	Branched-chain amino acid catabolism, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Valine, leucine and isoleucine degradation, organism-specific biosystem; Valine, leucine and isoleucine degradation, conserved biosystem;
Function	3-hydroxyisobutyrate dehydrogenase activity; 3-hydroxyisobutyrate dehydrogenase activity; NAD binding; oxidoreductase activity; phosphogluconate dehydrogenase (decarboxylating) activity;

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