

A Nonsense Mutation in the Exon 2 of the 3-Hydroxy-3-methylglutaryl-CoA Lyase (HL) Gene Producing Three Mature mRNAs Is the Main Cause of Aciduria in European Mediterranean Patients

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The association of nonsense codons with exon skipping. Mutation Research - Reviews in Mutation Research, 1998, 411, 87-117.	2.4	142
2	Two Missense Point Mutations in Different Alleles in the 3-Hydroxy-3-methylglutaryl Coenzyme A Lyase Gene Produce 3-Hydroxy-3-methylglutaric Aciduria in a French Patient. Archives of Biochemistry and Biophysics, 1998, 358, 197-203.	1.4	13
3	Molecular and Enzymatic Methods for Detection of Genetic Defects in Distal Pathways of Branched-Chain Amino Acid Metabolism. Methods in Enzymology, 2000, 324, 432-453.	0.4	5
4	Molecular and clinical analysis of Japanese patients with 3-hydroxy-3-methylglutaryl CoA lyase (HL) deficiency. Human Genetics, 2000, 107, 320-326.	1.8	22
5	Biochemical and molecular analyses in three patients with 3-hydroxy-3-methylglutaric aciduria. Journal of Inherited Metabolic Disease, 2003, 26, 433-441.	1.7	13
6	Molecular basis of 3-hydroxy-3-methylglutaric aciduria. Journal of Physiology and Biochemistry, 2003, 59, 311-321.	1.3	12
7	Structural (Î±)8 TIM Barrel Model of 3-Hydroxy-3-methylglutaryl-Coenzyme A Lyase. Journal of Biological Chemistry, 2003, 278, 29016-29023.	1.6	17
8	The E37X is a common HMGCL mutation in Portuguese patients with 3-hydroxy-3-methylglutaric CoA lyase deficiency. Molecular Genetics and Metabolism, 2004, 82, 334-338.	0.5	27
9	Skipping of exon 2 and exons 2 plus 3 of HMG-CoA lyase (HL) gene produces the loss of beta sheets 1 and 2 in the recently proposed (beta-alpha)8 TIM Barrel model of HL. Biophysical Chemistry, 2005, 115, 241-245.	1.5	11
10	A single-residue mutation, G203E, causes 3-hydroxy-3-methylglutaric aciduria by occluding the substrate channel in the 3D structural model of HMG-CoA lyase. Journal of Inherited Metabolic Disease, 2006, 29, 64-70.	1.7	5
11	C-Terminal end and aminoacid Lys48 in HMG-CoA lyase are involved in substrate binding and enzyme activity. Molecular Genetics and Metabolism, 2007, 91, 120-127.	0.5	10
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13	Incidence of 3-hydroxy-3-methylglutaryl-coenzyme A lyase (HL) deficiency in Brazil, South America. Journal of Inherited Metabolic Disease, 2008, 31, 511-515.	1.7	18
14	Ten novel HMGCL mutations in 24 patients of different origin with 3-hydroxy-3-methyl-glutaric aciduria. Human Mutation, 2009, 30, E520-E529.	1.1	21
15	Molecular analysis of Taiwanese patients with 3-Hydroxy-3-methylglutaryl CoA lyase deficiency. Clinica Chimica Acta, 2009, 401, 33-36.	0.5	4
16	Differential HMG-CoA lyase expression in human tissues provides clues about 3-hydroxy-3-methylglutaric aciduria. Journal of Inherited Metabolic Disease, 2010, 33, 405-410.	1.7	20
17	HMG-CoA Lyase Deficiency. , 2011, , .		2
18	Characterization of a novel HMG-CoA lyase enzyme with a dual location in endoplasmic reticulum and cytosol. Journal of Lipid Research, 2012, 53, 2046-2056.	2.0	8

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19	Characterization of splice variants of the genes encoding human mitochondrial HMG-CoA lyase and HMG-CoA synthase, the main enzymes of the ketogenesis pathway. <i>Molecular Biology Reports</i> , 2012, 39, 4777-4785.	1.0	24
20	Analysis of aberrant splicing and nonsense-mediated decay of the stop codon mutations c.109G>T and c.504_505delCT in 7 patients with HMG-CoA lyase deficiency. <i>Molecular Genetics and Metabolism</i> , 2013, 108, 232-240.	0.5	7
21	More Than One HMG-CoA Lyase: The Classical Mitochondrial Enzyme Plus the Peroxisomal and the Cytosolic Ones. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6124.	1.8	14
22	3-hydroxy-3-methylglutaryl-coenzyme A lyase deficiency: one disease - many faces. <i>Orphanet Journal of Rare Diseases</i> , 2020, 15, 48.	1.2	20
23	Disorders of Ketogenesis and Ketolysis. , 2000, , 152-156.		2
24	Lexikalischer Teil. , 2003, , 31-1336.		0
25	Disorders of Ketogenesis and Ketolysis. , 2006, , 191-196.		2
26	Lexikon der Syndrome und Fehlbildungen. , 1999, , 35-1198.		2