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Molecular and biochemical aspects of carnitine biosynthesis

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Abbreviations

ALDH9	aldehyde dehydrogenase 9
BBD	4-N-trimethylaminobutyrate (=butyrobetaine), 2-oxoglutarate dioxygenase
cDNA	copy DNA
CMV	cytomegalovirus
CoA	coenzyme A
CV	coefficient of variation.
DTT	dithiothreitol
ESI	electrospray ionisation
EST	expressed sequence tag
GABA	4-aminobutyric acid
HPLC	high performance liquid chromatography
HTML	3-hydroxy-6-N-trimethyllysine
HTMLA	3-hydroxy-6-N-trimethyllysine aldolase
IS	internal standard
MALDI-TOF	matrix-assisted laser desorption ionisation time-of-flight
MBP	maltose-binding protein
MS	mass spectrometry
NAD(H)	nicotinamide adenine dinucleotide
NADP(H)	nicotinamide adenine dinucleotide phosphate
ORF	open reading frame
PAGE	polyacrylamide gel electrophoresis
PCR	polymerase chain reaction
Q-TOF	quadrupole-time-of-flight
SDS	sodium dodecylsulfate
SHMT	serine hydroxymethyltransferase
TMABA	4-N-trimethylaminobutyraldehyde
TMABA-DH	4-N-trimethylaminobutyraldehyde dehydrogenase
TML	6-N-trimethyllysine
TMLD	6-N-trimethyllysine, 2-oxoglutarate dioxygenase