

# CONTENT

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## Abbreviation

AcCoA	=	Acetyl coenzyme A
bp	=	Base pair
BSU	=	Bioservice Unit
°C	=	Degree Celsius
DEPC	=	Diethyl pyrocarbonate
DMAPP	=	Dimethylallyl diphosphate
DX	=	1-deoxy-D-xylulose
DXP	=	Deoxyxylulose phosphate
<i>dxr</i>	=	1-deoxy-D-xylulose 5-phosphate reductoisomerase gene
DNA	=	Deoxyribonucleic acid
Dxr	=	1-deoxy-D-xylulose 5-phosphate reductoisomerase
Dxs	=	1-deoxy-D-xylulose-5-phosphate synthase
dNTP	=	Deoxynucleoside triphosphate
ER	=	Endoplasmic reticulum
FID	=	Flame ionization detector
GAP	=	D-glyceraldehyde 3-phosphate
GC	=	Gas chromatography
GGOH	=	Geranylgeraniol
GGPP	=	Geranylgeranyl diphosphate
HMG-CoA	=	3-hydroxy-3-methylglutaryl-CoA
HMGR	=	3-hydroxy-3-methylglutaryl-CoA reductase
IPTG	=	Isopropyl- $\beta$ -D-thiogalactopyranoside
IPP	=	Isopentenyl diphosphate
kb	=	Kilobase
kDa	=	Kilodalton
LB	=	Luria Bertaini
M	=	Molar
ME	=	2-C-methyl-erythritol
MEOP	=	2-C-methylerythrose 4-phosphate
MEP	=	2-C-methyl-D-erythritol 4-phosphate
mg	=	Milligram
ml	=	Milliliter
mM	=	Millimolar
mRNA	=	Messenger ribonucleic acid
MVA	=	Mevalonate
$\mu$ g	=	Microgram
$\mu$ l	=	Microliter
nm	=	nanometer

OD	=	Optical density
pH	=	-log hydrogen ion concentration
pmol	=	Picomole
Pro (P)	=	Proline
RT-PCR	=	Reverse Transcriptase Polymerase Chain Reaction
RNA	=	Ribonucleic acid
RNase A	=	Ribonuclease A
rpm	=	Revolutions per minute
Ser (S)	=	Serine
TAE	=	Tris acetate EDTA
TLC	=	Thin-layer chromatography
UV	=	Ultra violet
UV-VIS	=	Ultra violet visible
V	=	Volt
Val (V)	=	Valine
v/v	=	Volume by volume
w/v	=	Weight by volume
w/w	=	Weight by weight
X-GAL	=	5-Bromo-4-chloro-3-indolyl- $\beta$ -D-galactoside