

**Biochemical and structural studies on the function of
RepA DNA helicase from plasmid *RSF1010***

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Abbreviations

Apigenin:	4',5,7-trihydroxyflavone
AMP-PNP:	β,γ -imidoadenosine 5'-triphosphate
ATP γ S:	adenosine-5'- <i>O</i> -(3-thiotriphosphate)
BODIPY:	4,4-difluoro-5,7-dimethyl-4-bora-3a,4a-diaza-s-indacene-3-propionic acid
CD:	circular dichroism
Dimyricetin:	2'- dimer myricetin
Dithranol:	1,8,9-trihydroxyanthracene
ϵ ADP:	1, N ⁶ - ethenoadenosine 5' - diphosphate
EDAC:	ethyl dimethylaminopropyl carbodiimide
Emodin:	1,3,8-trihydroxy-6-methylanthraquinone
FCS:	fluorescence correlation spectroscopy
Galangin:	3,5,7-trihydroxyflavone
HEPES:	[4-(2-Hydroxyethyl)-piperazino]-ethanesulfonic acid
Hesperetin:	3',5,7-trihydroxy-4'-methoxyflavanone
Leucocyanidin:	3,3',4,4',5,7-hexahydroxyflavane
LY:	Lucifer Yellow
Luteolin:	3',4',5,7-tetrahydroxyflavone
MES:	4-morpholineethanesulfonic acid
Morin:	2',3, 4',5,7-pentahydroxyflavone
Myricetin:	3,3',4',5,5',7-hexahydroxyflavone
PCS:	photon correlation spectroscopy
Quercetin:	3,3',4',5,7-pentahydroxyflavone
(RepA) ₂ :	dimeric form of RepA hexamer
ssDNA/dsDNA:	single-stranded deoxynucleotide/double-stranded deoxynucleotide
Tetracycline:	4-(dimethylamino)-1,4,4a,5,5a,6-11,12a-octahydro-3,6,10,12,12a-pentahydroxy -6-methyl-1,11-dioxo-2-naphthacene-carboxamide
TMR:	tetramethylrhodamine
TNS:	2-(<i>p</i> -toluidinyl)naphthalene-6-sulphonate
TNP-ATP:	2',3'- <i>O</i> -(2,4,6-trinitrocyclohexadienylidene)adenosine-5-triphosphate
Tris:	tris(hydroxymethyl)aminomethane

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