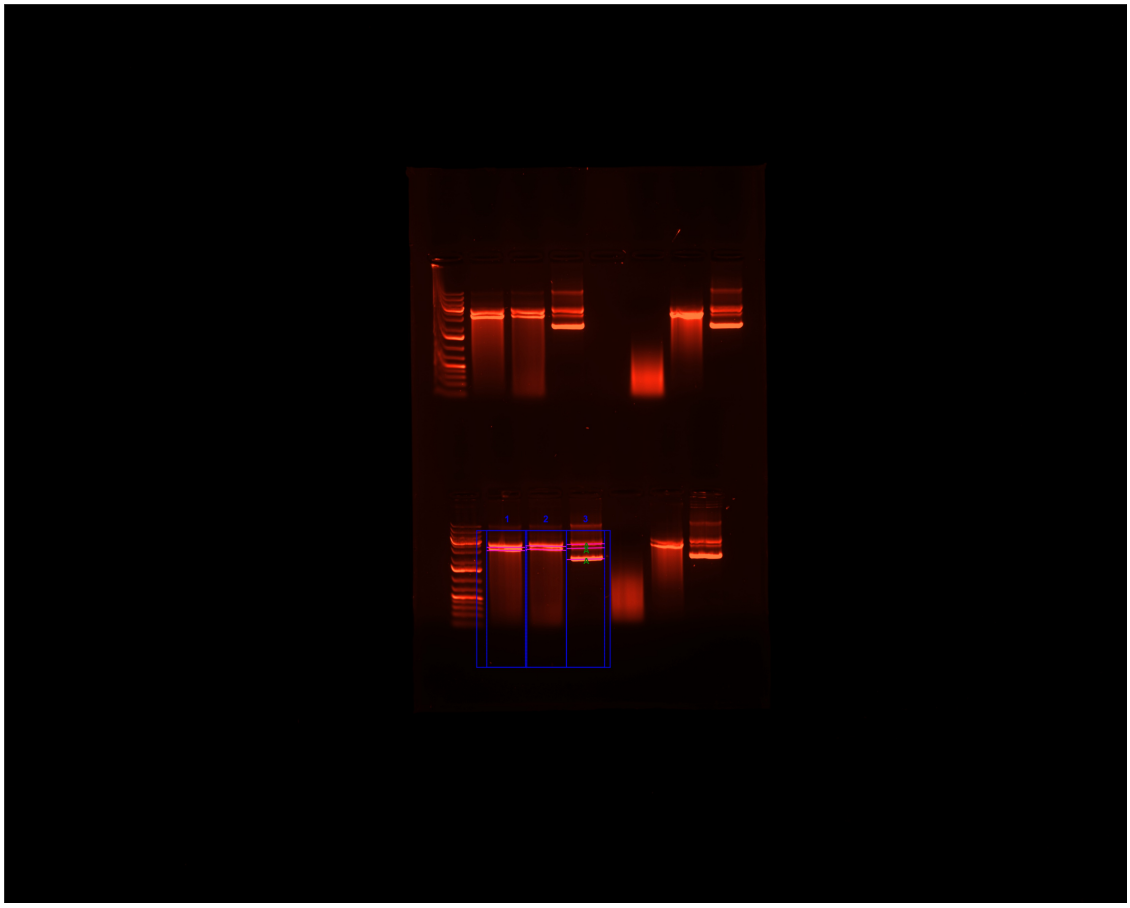
# Image Report: Lab Molecolare 2021-01-27 16h38m27s



**C:\Users\gnoce\OneDrive\Documenti\univesità\dottorato\immagini DNase1L2 Pichia pastoris \immagini e quantificazioni ChemiDoc\1L2 peg-NHS with-wo actin.ChemiDoc Images 2021-01-27_16.38.36\Lab Molecolare 2021-01-27 16h38m27s.scn**

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## Acquisition Information

| | |
|---|---|
| Imager | ChemiDoc™ MP |
| Exposure Time (sec) | 0.493 (Optimal Auto-exposure) |
| Flat Field | Applied (Red Plate / UV Trans / Green Filter) |
| Serial Number | 734BR-2850 |
| Software Version | 2.3.0.07 |
| Application | Ethidium Bromide |
| Excitation Source | UV Trans Illumination |
| Emission Filter | 602/50 Filter |

## Image Information

| | |
|---|---|
| Acquisition Date | 27/01/2021 4:38:27 |
| User Name | Lab Molecolare |
| Image Area (mm) | X: 210.0 Y: 168.0 |
| Pixel Size (µm) | X: 76.4 Y: 76.4 |
| Data Range (Int) | 5 - 65535 |

## Analysis Settings

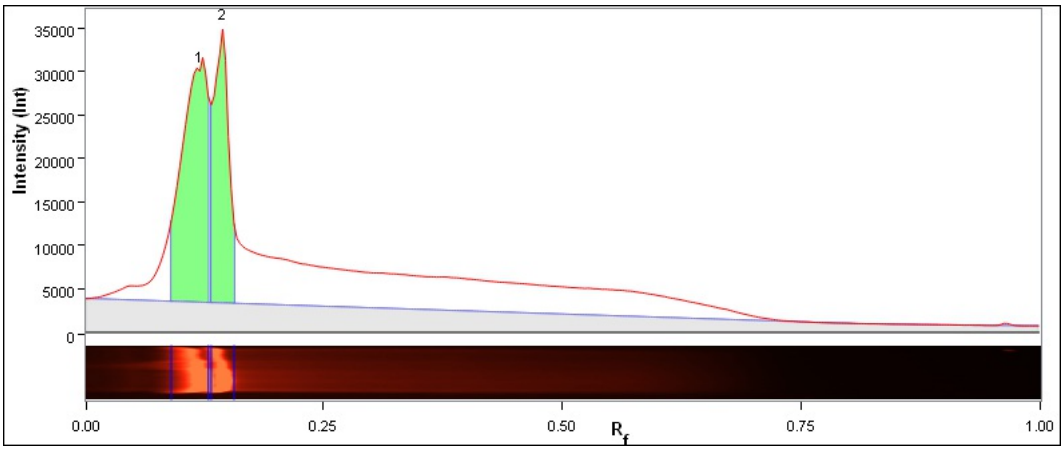
| | |
|---|---|
| Detection | Lane detection:<br>Manually created lanes<br><br>Band detection:<br>Automatically detected bands with sensitivity: High<br>Manually adjusted bands<br><br>Lane Background Subtraction:<br>Lane background subtracted with disk size: 30.4<br><br>Lane width: Variable |
| Quantity Analysis | Quantity Standard Bands:<br>Lane 3 Band 1 Quantity 20.0 ng<br>Lane 3 Band 2 Quantity 10.0 ng<br>Lane 3 Band 3 Quantity 170.0 ng<br>Quantity regression method: Linear<br>Regression equation: y = 3.88E-06 * x - 49<br>R-squared value: R^2 = 0.946507 |

## Lane Statistics

| Lane No. | Adj. Total Band Vol. (Int) | Total Band Vol. (Int) | Adj. Total Lane Vol. (Int) | Total Lane Vol. (Int) | Bkgd. Vol. (Int) | Norm. Factor |
|---|---|---|---|---|---|---|
| 1 | 48.603.296 | 56.451.430 | 122.285.184 | 196.686.196 | 74.401.012 | N/A |
| 2 | 41.056.400 | 49.443.700 | 106.441.200 | 186.976.100 | 80.534.900 | N/A |
| 3 | 89.458.746 | 93.593.526 | 131.649.777 | 155.950.677 | 24.300.900 | N/A |

## Lane And Band Analysis

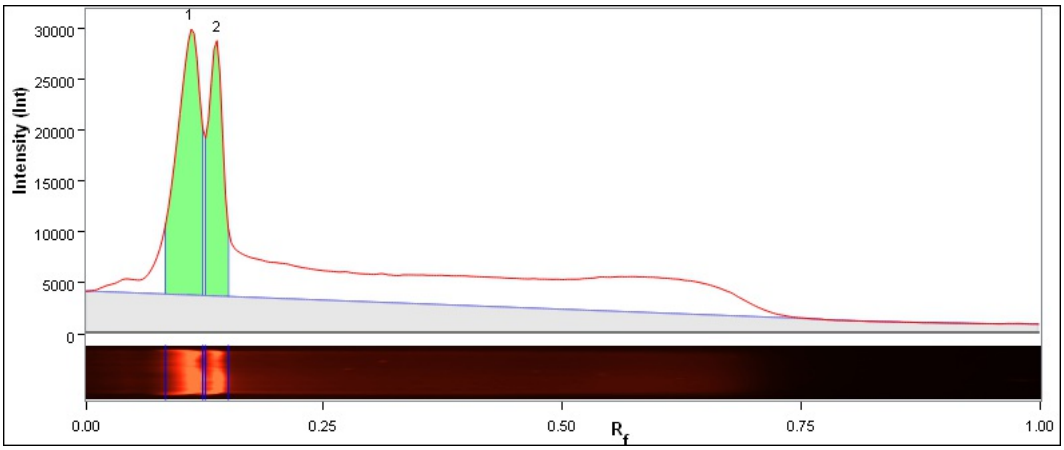
### Lane 1




| Band No. | Band Label | Mol. Wt. (KDa) | Relative Front | Adj. Volume (Int) | Volume (Int) | Abs. Quant. (ng) | Rel. Quant. | Band % | Lane % |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | N/A | 0,122 | 29.280.538 | 33.988.850 | 64,6 | N/A | 60,2 | 23,9 |
| 2 | | N/A | 0,146 | 19.322.758 | 22.462.580 | 26,0 | N/A | 39,8 | 15,8 |

| | |
|---|---|
| Band Detection | Automatically detected bands with sensitivity: High |
| Lane Background | Lane background subtracted with disk size: 30.4 |
| Lane Width | 7.48 mm |

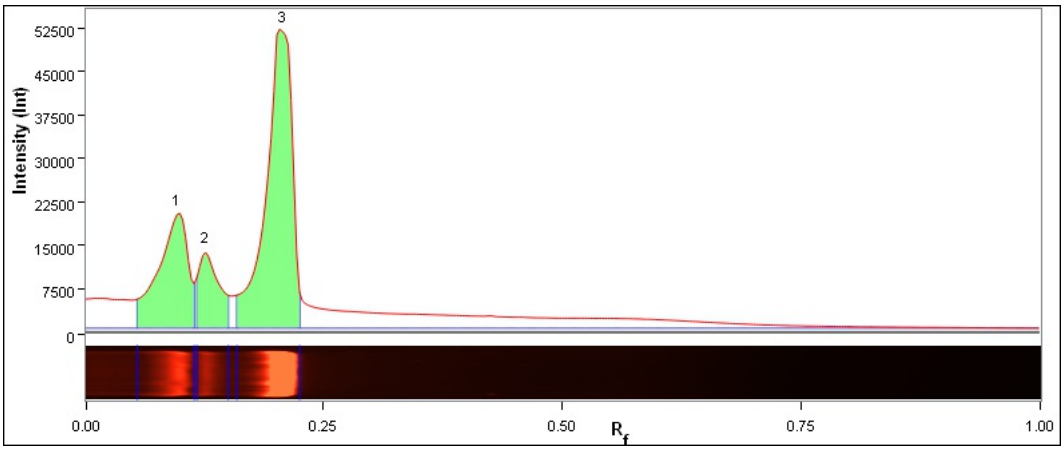
### Lane 2




| Band No. | Band Label | Mol. Wt. (KDa) | Relative Front | Adj. Volume (Int) | Volume (Int) | Abs. Quant. (ng) | Rel. Quant. | Band % | Lane % |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | N/A | 0,113 | 25.599.600 | 30.627.500 | 50,3 | N/A | 62,4 | 24,1 |
| 2 | | N/A | 0,140 | 15.456.800 | 18.816.200 | 11,0 | N/A | 37,6 | 14,5 |

| | |
|---|---|
| Band Detection | Automatically detected bands with sensitivity: High |
| Lane Background | Lane background subtracted with disk size: 30.4 |
| Lane Width | 7.64 mm |

## Lane 3




| Band No. | Band Label | Mol. Wt. (KDa) | Relative Front | Adj. Volume (Int) | Volume (Int) | Abs. Quant. (ng) | Rel. Quant. | Band % | Lane % |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | N/A | 0,099 | 23.789.772 | 25.313.112 | 20,0 | N/A | 26,6 | 18,1 |
| 2 | | N/A | 0,128 | 10.964.607 | 11.835.087 | 10,0 | N/A | 12,3 | 8,3 |
| 3 | | N/A | 0,209 | 54.704.367 | 56.445.327 | 170,0 | N/A | 61,2 | 41,6 |

| | |
|---|---|
| Band Detection | Automatically detected bands with sensitivity: High |
| Lane Background | Lane background subtracted with disk size: 30.4 |
| Lane Width | 7.10 mm |