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🌐 Top-down proteomics data analysis on the NRTDP TDPortal

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Human BioMolecular Atlas Program (HuBMAP) Method Development Community

Kelleher Research Group



Kelleher KRG Research Group

Northwestern University, National Resource for Translational...

This method describes how to analyze data on TD Portal, a top-down proteomics search tool from the National Resource for Translational and Developmental Proteomics.

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protocol ,

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In steps of

[Overall protocol for top-down LC-MS/MS of human lung tissue](#)

[Overall protocol for top-down LC-MS/MS of human heart tissue](#)

1 Top-down proteomics data was searched on the TD Portal (portal.nrtdp.northwestern.edu)

- 2 Raw files for analysis were selected for search using Top Down Search v. 4.0.

- 3 Search parameters:
 - Organism: Homo Sapiens (Human) with Curated Histones: (Taxon 9606 - June 2020)
 - Use Empirical P-Score: FALSE
 - Filter by FDR: TRUE
 - Create SAS Input Sheet for Quant: FALSE
 - Precursor Resolution: High Resolution
 - Fragmentation Type: Auto
 - Code Set: Standard 4.0.0
 - Include ProSight Error Tolerant Search: FALSE