

A [proteomic dataset](#) typically contains information related to the proteins present in a biological sample, including details about their expression levels, modifications, interactions, and functions. These datasets can be generated using various techniques such as mass spectrometry, two-dimensional gel electrophoresis, and protein microarrays.

Here are some common components you might find in a proteomic dataset:

Protein Identifiers: Unique IDs for each protein, often linked to databases like UniProt or NCBI.

Gene Names: Names of the genes that encode the proteins.

Protein Sequence: The amino acid sequences of the proteins.

Quantitative Data: Information about the abundance of each protein, which may be measured in terms of intensity or concentration.

Post-Translational Modifications: Data regarding modifications like phosphorylation, glycosylation, or ubiquitination.

Functional Annotations: Information about the biological functions or pathways the proteins are involved in.

Sample Information: Details about the biological samples used, such as tissue type, treatment conditions, or disease states.

Experimental Conditions: Information about the methods and conditions under which the data was obtained.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=proteomic_dataset

Last update: **2024/10/27 13:57**

