



PROTEOME™ (HumanPSD™+TRANSPATH®) release 2019.2

The Human Proteome Survey Database (HumanPSD™) with focus on human proteins as disease biomarkers and drug targets contains these new features:

- **More Clinical Trial data**

New data from clinicaltrials.gov and manual curation by experts have increased the number of Clinical Trial-Drug assignments to 204,740, leading to a total of 401,836 CT-Disease-Drug assignments.

- **GO cellular compartment annotation from the Human Protein Atlas**

Intracellular location data of human proteins from the [Human Protein Atlas](https://www.proteinatlas.org/) has been integrated as 12,073 observations using Gene Ontology Cellular Compartment terms.

The TRANSPATH® database on mammalian signal transduction and metabolic pathways contains these new data features:

- **Increase in number of reactions**

18,087 new binding reactions between proteins in human or mouse have been added, among them e.g. reactions of membrane-bound human GPCRs with other membraneous or cytoplasmic proteins.

5,071 existing reactions were updated with additional experimental evidences from primary literature.

- **Improved pathway search results**

Pathway search results now come with the number of distinct nodes (proteins and their post-translationally modified forms, genes, miRNAs, and complexes) involved in the respective pathway. This should help with assessing the size of networks in a result list.