

Resource Summary Report

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Tabula Sapiens

RRID:SCR_022314

Type: Tool

Proper Citation

Tabula Sapiens (RRID:SCR_022314)

Resource Information

URL: <https://tabula-sapiens-portal.ds.czbiohub.org/>

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Description: Single cell transcriptomic atlas of multiple organs from individual human donors. Multiple organ, single cell transcriptomic atlas of humans. Molecular reference atlas for cell types of human body. Provides molecular definition of these cell types and reveals many other aspects of human biology, including how same gene can be spliced differently in different cell types, how shared cell types in different tissues can have subtle differences in their identities, and how clones of immune system can be shared across tissues.

Resource Type: atlas, data or information resource

Defining Citation: [DOI:10.1101/2021.07.19.452956](https://doi.org/10.1101/2021.07.19.452956)

Keywords: Single cell transcriptomic atlas, multiple organs, human donors, molecular reference atlas

Related Condition: diabetes, cancer, hypertension, coronary artery disease, hyperlipidemia, bipolar, depression, deep vein thrombosis, flu, mitral regurgitation, osteopenia, venous thromboembolic disease, lupus, pulmonary hypertension, schizophrenia, seizure, asthma, atrial fibrillation, asplenia, eczema, hypercholesterolemia, chronic lung disease

Funding: Chan Zuckerberg Initiative

Availability: Free, Freely available

Resource Name: Tabula Sapiens

Resource ID: SCR_022314

Record Creation Time: 20220602T050139+0000

Ratings and Alerts

No rating or validation information has been found for Tabula Sapiens.

No alerts have been found for Tabula Sapiens.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 32 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Wang X, et al. (2025) Wide-spectrum profiling of plasma cell-free RNA and the potential for health-monitoring. RNA biology, 22(1), 1.

Xu Q, et al. (2025) An integrated transcriptomic cell atlas of human endoderm-derived organoids. Nature genetics, 57(5), 1201.

Li J, et al. (2025) Exosome-Mediated Lectin Pathway and Resistin-MIF-AA Metabolism Axis Drive Immune Dysfunction in Immune Thrombocytopenia. Advanced science (Weinheim, Baden-Wurtemberg, Germany), 12(10), e2412378.

Østergaard ME, et al. (2025) Conjugation to a transferrin receptor 1-binding Bicycle peptide enhances ASO and siRNA potency in skeletal and cardiac muscles. Nucleic acids research, 53(7).

Tauber M, et al. (2024) Correction: Landscape of mast cell populations across organs in mice and humans. The Journal of experimental medicine, 221(2).

Subedi S, et al. (2024) A scalable approach to topic modelling in single-cell data by approximate pseudobulk projection. Life science alliance, 7(10).

Ding J, et al. (2024) An esophagus cell atlas reveals dynamic rewiring during active eosinophilic esophagitis and remission. Nature communications, 15(1), 3344.

Company C, et al. (2024) Logical design of synthetic cis-regulatory DNA for genetic tracing of cell identities and state changes. Nature communications, 15(1), 897.

Kim HM, et al. (2024) Genome-wide association study of subfoveal choroidal thickness in a longitudinal cohort of older adults. Scientific reports, 14(1), 23545.

Chikkamenahalli LL, et al. (2024) Single cell atlas of human gastric muscle immune cells and macrophage-driven changes in idiopathic gastroparesis. iScience, 27(3), 108991.

Idelman G, et al. (2024) Inducible pluripotent stem cells to study human mast cell trajectories. *Mucosal immunology*, 17(5), 1029.

Law PJ, et al. (2024) Systematic prioritization of functional variants and effector genes underlying colorectal cancer risk. *Nature genetics*, 56(10), 2104.

Túróš D, et al. (2024) Chrysalis: decoding tissue compartments in spatial transcriptomics with archetypal analysis. *Communications biology*, 7(1), 1520.

Stanley KE, et al. (2024) Cell type signatures in cell-free DNA fragmentation profiles reveal disease biology. *Nature communications*, 15(1), 2220.

Weil PP, et al. (2024) Histone variant H3.5 in testicular cell differentiation and its interactions with histone chaperones. *Scientific reports*, 14(1), 30564.

Dehghannasiri R, et al. (2024) sc-SPLASH provides ultra-efficient reference-free discovery in barcoded single-cell sequencing. *bioRxiv : the preprint server for biology*.

Falahati H, et al. (2024) Ectopic Reconstitution of a Spine-Apparatus Like Structure Provides Insight into Mechanisms Underlying Its Formation. *bioRxiv : the preprint server for biology*.

Lee GY, et al. (2024) Brief guide to RNA sequencing analysis for nonexperts in bioinformatics. *Molecules and cells*, 47(5), 100060.

Falahati H, et al. (2024) Ectopic reconstitution of a spine-apparatus-like structure provides insight into mechanisms underlying its formation. *Current biology : CB*.

Foretz M, et al. (2023) Metformin: update on mechanisms of action and repurposing potential. *Nature reviews. Endocrinology*, 1.